

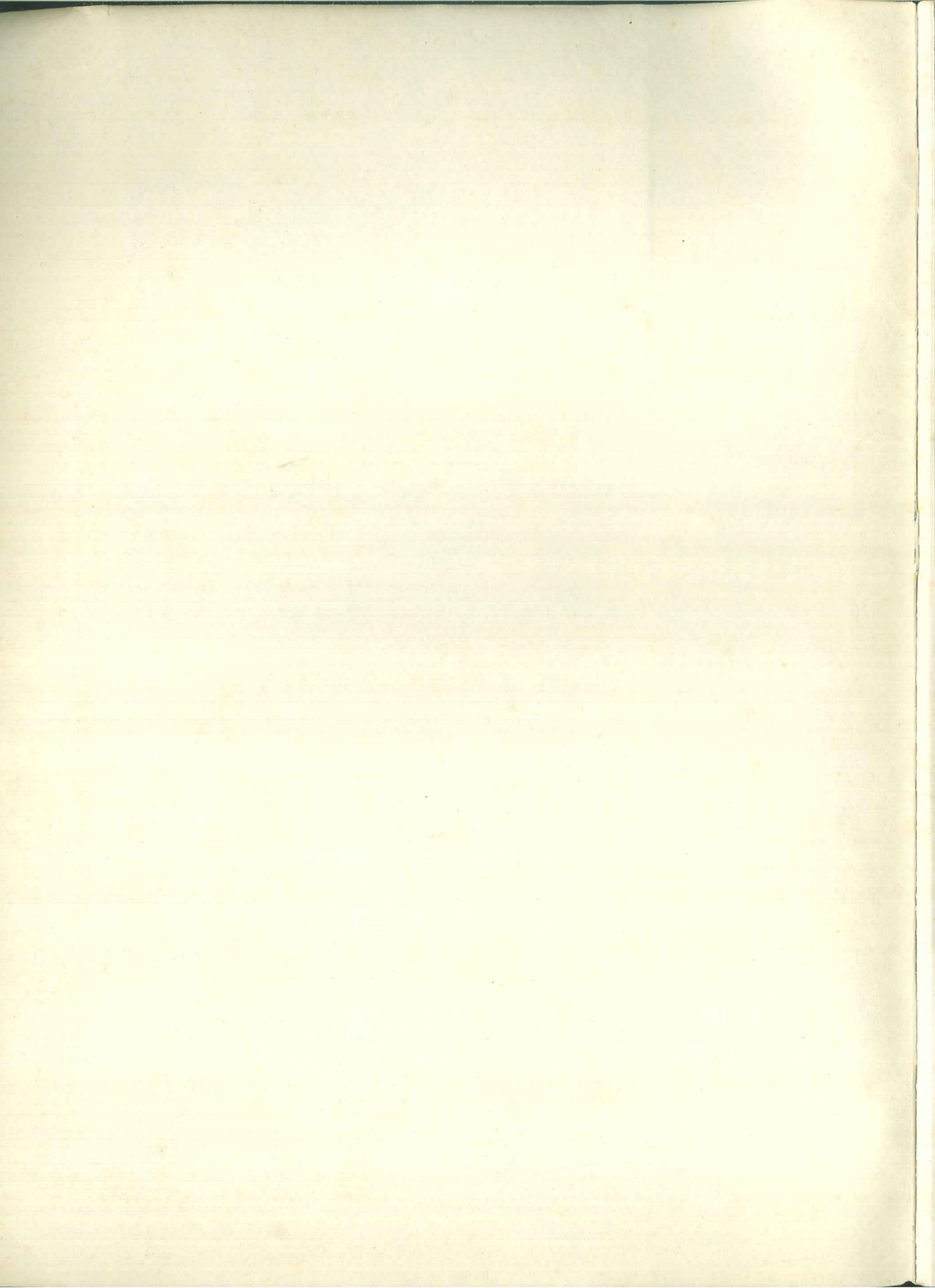


WM. HIGHTON & SONS COMPANY

NASHUA, N. H.

BOSTON, MASS.

PHILADELPHIA, PA.



1905

# Wm. Highton & Sons Company

NASHUA, NEW HAMPSHIRE

ESTABLISHED 1858



WARM AIR REGISTERS, VENTILATORS,  
GRILLES, SCREENS, BORDERS, etc.

AND ALL SPECIALTIES  
REQUIRED FOR

HEATING AND VENTILATING

---

FINE BRASS, BRONZE METAL, AND  
ALUMINUM CASTINGS

BOSTON, MASS.  
48 Portland Street

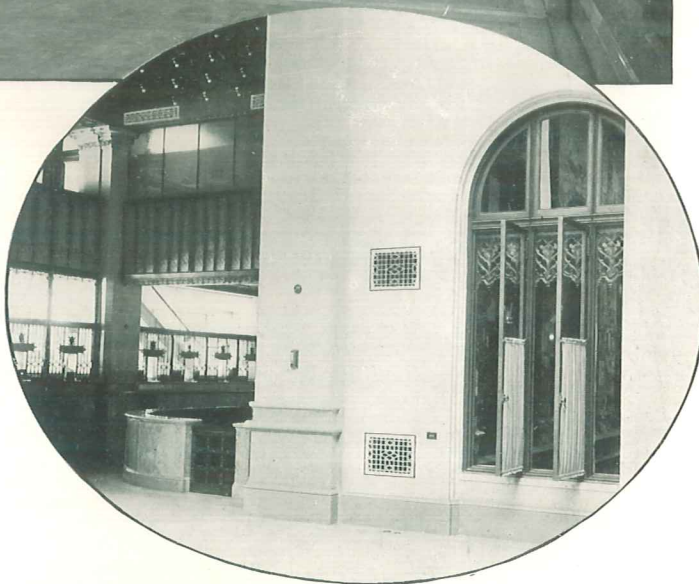
PHILADELPHIA, PA.  
129-131 Broad Street





REGISTERS  
VENTILATORS  
GRILLES  
SCREENS  
TABLETS

COMPLETE LINE  
OF STOCK AND  
SPECIAL DESIGNS



PORTION OF IRVING NATIONAL BANK  
WOOLWORTH BUILDING, NEW YORK

REGISTERS AND GRILLES FOR ABOVE

MANUFACTURED BY

**WM. HIGHTON & SONS COMPANY**

48 PORTLAND STREET  
BOSTON, MASS.

MAIN OFFICE AND WORKS  
AT NASHUA, N. H.

129-131 BREAD STREET  
PHILADELPHIA, PA.





## TO OUR CUSTOMERS

THE "Highton" make of Registers has stood the test of 62 years. They are made by skilled workmen under the supervision of a trained and experienced organization.

We have kept in constant touch with modern methods of Heating and Ventilation, and offer a line of goods that covers the requirements for all kinds of Heating and Ventilation.

In the following pages will be found illustrations and price lists covering our standard goods, together with cuts of some of our special designs.

The special points of each are described under the different headings.

We would call attention to the following general instructions in regard to ordering goods.

In the absence of information to the contrary, we assume that sizes called for on orders are opening sizes, the extreme dimensions including the rim or margins being somewhat larger (see pages 44 and 45).

All prices are subject to change without notice.

All agreements are contingent upon accidents, strikes, or delays beyond our control.

In shipping goods our responsibility ceases as soon as the goods are delivered at shipping point in good order and condition to the transportation company and a receipt taken for same.

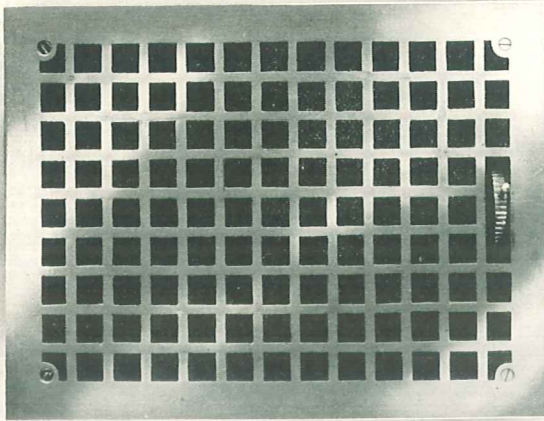
When so ordered, Registers and Faces will be drilled in the rim or flange of the Faces and screws of the same finish furnished without extra charge; also Register Faces or Grilles of any design can be furnished without wheel slot or body screw quadrants in fretwork, but such special Faces or Grilles and drilled Registers and Faces are not carried in stock, and under no circumstances will special Faces or drilled goods be accepted for credit.

Respectfully submitted,

WM. HIGHTON & SONS COMPANY.

## REGISTERS, VENTILATORS, FACES

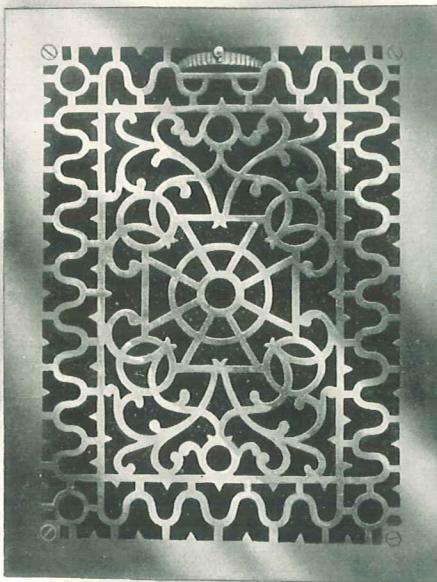
Made in all finishes, on Cast Iron, Bronze, or Brass. Vertical Wheel Movement



PLAIN LATTICE

## PLAIN LATTICE PATTERN

Made in all listed  
sizes



MALTESE

## MALTESE PATTERN

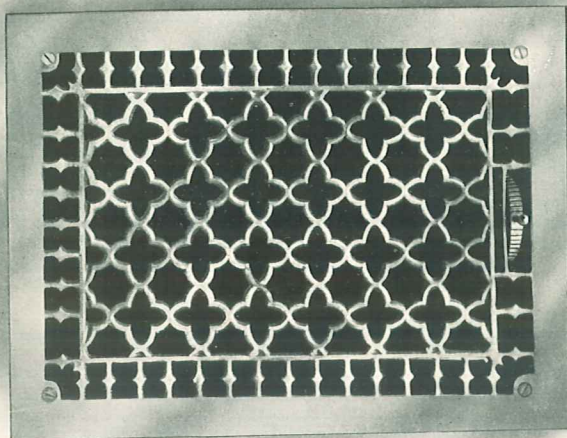
Made in the following sizes:

|                                    |                |                |
|------------------------------------|----------------|----------------|
| $4\frac{1}{2} \times 6\frac{1}{2}$ | $8 \times 12$  | $12 \times 12$ |
| $4 \times 8$                       | $8 \times 14$  | $12 \times 14$ |
| $4 \times 10$                      | $8 \times 15$  | $12 \times 15$ |
| $4 \times 12$                      | $8 \times 16$  | $12 \times 16$ |
| $4 \times 15$                      | $8 \times 18$  | $12 \times 17$ |
| $6 \times 6$                       | $9 \times 9$   | $12 \times 18$ |
| $6 \times 8$                       | $9 \times 12$  | $12 \times 19$ |
| $6 \times 9$                       | $9 \times 13$  | $12 \times 20$ |
| $6 \times 10$                      | $9 \times 14$  | $14 \times 14$ |
| $6 \times 12$                      | $9 \times 15$  | $14 \times 16$ |
| $6 \times 14$                      | $9 \times 16$  | $14 \times 18$ |
| $6 \times 16$                      | $10 \times 10$ | $14 \times 20$ |
| $7 \times 7$                       | $10 \times 12$ | $14 \times 22$ |
| $7 \times 10$                      | $10 \times 14$ | $16 \times 16$ |
| $7 \times 12$                      | $10 \times 15$ | $16 \times 18$ |
| $7 \times 14$                      | $10 \times 16$ | $16 \times 20$ |
| $7 \times 15$                      | $10 \times 18$ | $16 \times 22$ |
| $8 \times 8$                       | $10 \times 20$ | $16 \times 24$ |
| $8 \times 10$                      | $10 \times 24$ | $18 \times 24$ |

For Lists and Finishes, see pages 9 to 14

## REGISTERS, VENTILATORS, FACES

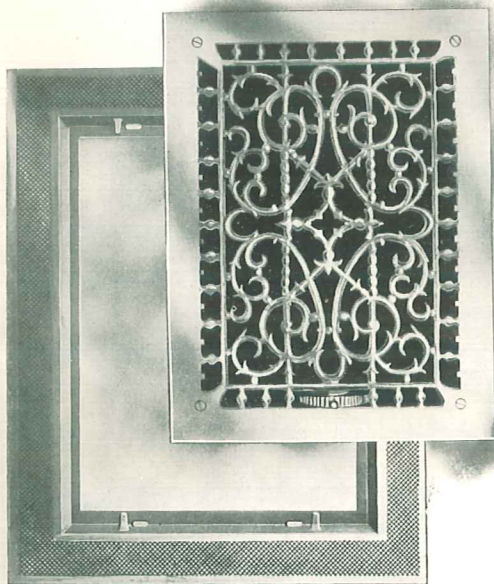
Made in all finishes, on Cast Iron, Bronze, or Brass. Vertical Wheel Movement



## HIGHTONE PATTERN

Made in the following sizes:

|         |         |         |
|---------|---------|---------|
| 5 × 8   | 10 × 16 | 14 × 22 |
| 5 × 10  | 12 × 12 | 15 × 15 |
| 6 × 8   | 12 × 14 | 15 × 25 |
| 6 × 10  | 12 × 15 | 15 × 30 |
| 6 × 12  | 12 × 16 | 16 × 16 |
| 6 × 14  | 12 × 17 | 16 × 20 |
| 7 × 10  | 12 × 18 | 16 × 22 |
| 8 × 8   | 12 × 19 | 16 × 24 |
| 8 × 10  | 12 × 20 | 16 × 30 |
| 8 × 12  | 12 × 22 | 18 × 18 |
| 8 × 14  | 12 × 24 | 18 × 24 |
| 9 × 12  | 12 × 32 | 20 × 20 |
| 9 × 13  | 14 × 14 | 20 × 22 |
| 9 × 14  | 14 × 16 | 20 × 24 |
| 10 × 10 | 14 × 18 | 20 × 26 |
| 10 × 12 | 14 × 20 | 20 × 28 |
| 10 × 14 |         | 22 × 28 |



## EXCELSIOR PATTERN

Made in the following sizes:

|        |         |         |
|--------|---------|---------|
| 6 × 8  | 9 × 14  | 12 × 18 |
| 6 × 9  | 10 × 12 | 12 × 19 |
| 6 × 10 | 10 × 14 | 12 × 20 |
| 7 × 10 | 10 × 16 | 14 × 14 |
| 8 × 8  | 10 × 18 | 14 × 16 |
| 8 × 10 | 12 × 12 | 14 × 18 |
| 8 × 12 | 12 × 14 | 14 × 20 |
| 9 × 9  | 12 × 15 | 14 × 22 |
| 9 × 12 | 12 × 16 | 16 × 20 |
| 9 × 13 | 12 × 17 |         |

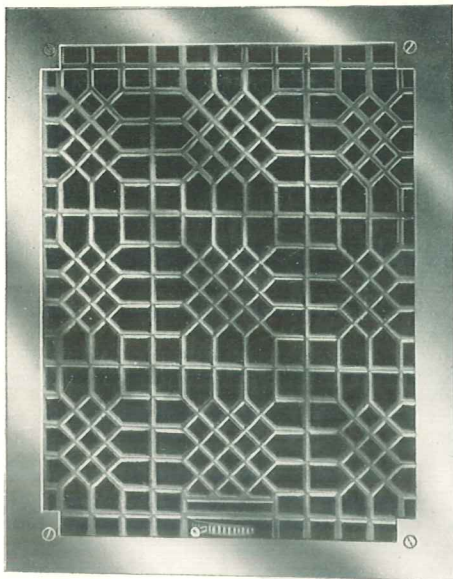
EXCELSIOR REGISTER AND BORDER

For Lists and Finishes, see pages 9 to 14



## REGISTERS, VENTILATORS, FACES

Made in all finishes, on Cast Iron, Bronze, or Brass. Vertical Wheel Movement



INDIAN LATTICE

## INDIAN LATTICE PATTERN

Made in the following sizes:

|      |       |       |
|------|-------|-------|
| 6×6  | 10×10 | 14×18 |
| 6×8  | 10×12 | 14×20 |
| 6×10 | 10×14 | 14×22 |
| 6×12 | 10×16 | 16×16 |
| 6×14 | 10×18 | 16×18 |
| 6×16 | 10×20 | 16×20 |
| 7×10 | 10×24 | 16×22 |
| 7×12 | 12×12 | 16×24 |
| 7×14 | 12×14 | 18×18 |
| 8×8  | 12×15 | 18×21 |
| 8×10 | 12×16 | 18×24 |
| 8×12 | 12×17 | 18×30 |
| 8×14 | 12×18 | 20×20 |
| 8×16 | 12×20 | 20×24 |
| 9×12 | 12×28 | 20×26 |
| 9×14 | 14×14 | 20×28 |
| 9×16 | 14×16 | 24×36 |

## SEMI-STEEL REGISTERS AND VENTILATORS

Cast Face with Wrought Steel Body

## INDIAN LATTICE DESIGN

Made in the following sizes: All Finishes

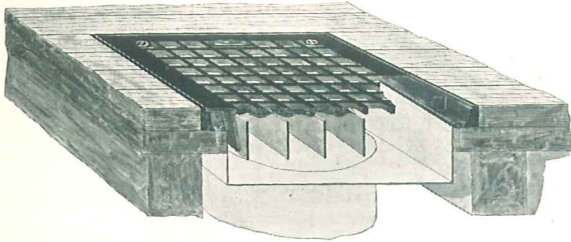
|      |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|
| 8×10 | 9×14  | 10×16 | 12×14 | 12×19 | 14×16 |
| 8×12 | 10×10 | 10×18 | 12×15 | 12×20 | 14×18 |
| 9×12 | 10×12 | 10×20 | 12×16 | 12×24 | 14×22 |
| 9×13 | 10×14 | 12×12 | 12×18 | 14×15 |       |

## PLAIN LATTICE DESIGN

|      |      |       |       |       |       |       |
|------|------|-------|-------|-------|-------|-------|
| 6×8  | 8×8  | 9×12  | 12×12 | 14×16 | 16×24 | 20×24 |
| 6×9  | 8×10 | 9×14  | 12×14 | 14×18 | 16×30 | 20×26 |
| 6×10 | 8×12 | 9×16  | 12×15 | 14×20 | 16×36 | 20×28 |
| 6×12 | 8×14 | 9×18  | 12×16 | 14×22 | 18×18 | 20×30 |
| 6×14 | 8×16 | 10×10 | 12×17 | 14×24 | 18×21 | 20×36 |
| 6×16 | 8×18 | 10×12 | 12×18 | 16×16 | 18×24 | 24×24 |
| 6×18 | 8×20 | 10×14 | 12×19 | 16×18 | 18×30 | 24×30 |
| 7×10 | 8×24 | 10×16 | 12×20 | 16×20 | 18×36 | 24×36 |
| 7×12 | 9×9  | 10×18 | 12×24 | 16×22 | 20×20 |       |
| 7×14 |      | 10×20 |       |       |       |       |

## CONCEALED BORDERS

The Concealed Border forms a frame in which to place a floor register so that it can be readily removed. The Border is screwed to the rough floor and the finished floor is



butted against the Border when laid and no further fitting of the Register in the floor is required. The Border is only about  $\frac{1}{8}$  in. larger all around than the Register Face and is the latest development in the construction of heating systems.

PATENT APPLIED FOR

## THE HIGHTON "IDEAL" ADJUSTABLE UNDERSEAT VENTILATOR WITH LOCK NUT

Insures equal distribution of air for the ventilation of auditoriums, churches, theaters, schools, and public buildings.

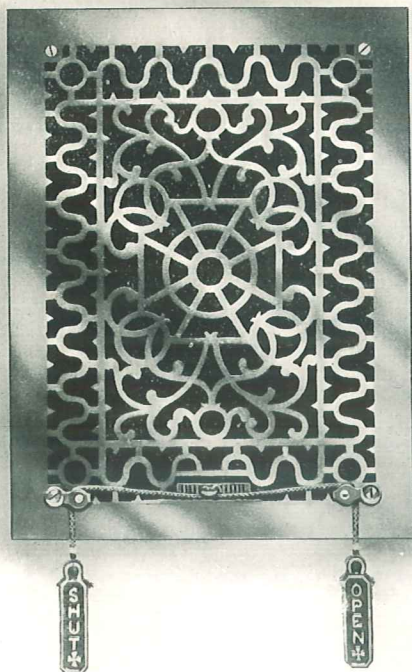


After years of experience in the manufacture of Underseat Ventilators of various kinds, we have combined all the good points of our previous efforts and added several new features which make this the ideal ventilator.

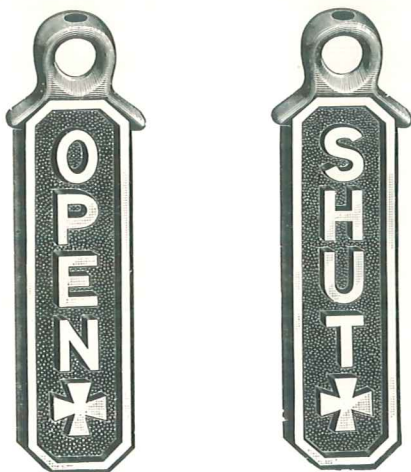
This ventilator is so designed as to give the least possible resistance to the flow of air. The underside of canopy is properly curved to allow the air to pass out freely. A few turns of the canopy regulate the size of opening and a turn or two of the locking screw holds it in any position desired.

Made in four Sizes: 4 in., 5 in., 6 in., and 8 in.

## VENTILATORS AND REGISTERS



OPEN AND SHUT INDICATORS



### PRICES OF INDICATOR HANDLES

For Cords or Chains indicating "Open" and "Shut"

|                                      |          |            |
|--------------------------------------|----------|------------|
| Japanned.....                        | per pair | \$ .20 net |
| Bronzed.....                         | "        | .25 "      |
| Plated Brass, Bronze, or Nickel..... | "        | .25 "      |
| Brass or Bronze Metal.....           | "        | .75 "      |

This cut shows a Side Wall Ventilator (a Register with Ventilator Attachments adjusted) with cord and indicating handles.

For use when Ventilators are used in openings in wall beyond reach of the hand.

Side Wall or Ceiling attachments can be adjusted to any design of Register to make a Side Wall or Ceiling Ventilator, to be operated by cord or chain.

In ordering, it should be stated whether Ventilator is for side wall or ceiling.

For List Prices of Ventilators add 50 cents list to Register list on sizes up to 14 x 14 and \$1.00 list on 14 x 14 and all sizes above.

### VENTILATOR ATTACHMENTS



FOR SIDE WALL



FOR CEILING

### CORDS, CHAINS, ETC.

For Ventilators

|                                 |          |            |
|---------------------------------|----------|------------|
| Cord.....                       | per yard | \$ .08 net |
| Brass chain.....                | "        | .50 "      |
| Tinned Chain (Nickel Plated) .. | "        | .35 "      |



# REGISTERS, FACES, BORDERS — For Either Floor or Wall

## BLACK JAPANNED

| Size of Opening | Register | Register Face | Floor Border | Size of Opening | Register | Register Face | Floor Border | Size of Opening | Register | Register Face | Floor Border |
|-----------------|----------|---------------|--------------|-----------------|----------|---------------|--------------|-----------------|----------|---------------|--------------|
| 4½ × 6½         | \$1.40   | \$ .55        | \$1.15       | 9 × 20          | \$8.75   | \$4.30        | \$4.30       | 16 × 20         | \$12.35  | \$6.10        | \$6.10       |
| 4 × 8           | 1.50     | .60           | 1.15         | 9 × 22          | 10.35    | 4.50          | 4.50         | 16 × 22         | 14.75    | 6.70          | 6.70         |
| 4 × 10          | 1.55     | .75           | 1.15         | 9 × 24          | 12.00    | 5.30          | 5.30         | 16 × 24         | 15.00    | 7.00          | 7.00         |
| 4 × 12          | 1.80     | .95           | 1.35         | 9 × 26          | 15.25    | 6.35          | 6.25         | 16 × 28         | 24.60    | 10.00         | 10.00        |
| 4 × 15          | 3.00     | 1.20          | 1.90         | 9 × 28          | 16.35    | 6.80          | 6.50         | 16 × 30         | 27.90    | 11.00         | 11.00        |
| 4 × 18          | 4.00     | 1.30          | 2.75         | 9 × 30          | 17.50    | 7.10          | 7.10         | 16 × 32         | 31.00    | 13.10         | 13.10        |
| 4 × 21          | 5.00     | 2.25          | 3.15         | 9 × 32          | 22.50    | 8.75          | 8.75         | 16 × 36         | 36.00    | 16.00         | 16.00        |
| 4 × 24          | 6.00     | 2.75          | 3.75         | 9 × 36          | 24.75    | 9.75          | 9.75         | 18 × 18         | 18.50    | 7.20          | 7.20         |
| 4 × 28          | 7.10     | 3.40          | 4.50         | 10 × 10         | 2.35     | 1.65          | 1.70         | 18 × 20         | 19.50    | 7.60          | 7.60         |
| 4 × 32          | 8.15     | 3.90          | 5.25         | 10 × 12         | 2.40     | 1.70          | 1.75         | 18 × 21         | 20.50    | 7.75          | 7.75         |
| 5 × 8           | 1.55     | .90           | 1.15         | 10 × 14         | 3.15     | 2.20          | 2.20         | 18 × 24         | 21.50    | 8.35          | 8.35         |
| 5 × 9           | 1.55     | 1.00          | 1.20         | 10 × 15         | 4.40     | 2.65          | 2.65         | 18 × 27         | 27.50    | 10.75         | 10.75        |
| 5 × 10          | 1.60     | 1.05          | 1.20         | 10 × 16         | 4.85     | 2.95          | 2.95         | 18 × 30         | 31.25    | 13.25         | 13.25        |
| 5 × 12          | 1.80     | 1.20          | 1.40         | 10 × 18         | 6.70     | 3.70          | 3.70         | 18 × 36         | 38.00    | 17.25         | 17.25        |
| 5 × 14          | 2.80     | 1.50          | 1.90         | 10 × 20         | 8.90     | 4.35          | 4.35         | 20 × 20         | 19.75    | 8.00          | 8.00         |
| 5 × 16          | 3.90     | 1.80          | 2.60         | 10 × 22         | 10.40    | 4.90          | 4.90         | 20 × 22         | 21.60    | 8.40          | 8.40         |
| 5 × 18          | 5.25     | 2.10          | 3.20         | 10 × 24         | 12.15    | 5.35          | 5.35         | 20 × 24         | 22.00    | 8.60          | 8.60         |
| 6 × 6           | 1.50     | .90           | 1.15         | 10 × 30         | 19.50    | 8.00          | 8.00         | 20 × 26         | 23.50    | 9.50          | 9.50         |
| 6 × 8           | 1.55     | 1.00          | 1.15         | 10 × 36         | 25.75    | 10.00         | 10.00        | 20 × 28         | 28.90    | 11.50         | 11.50        |
| 6 × 9           | 1.60     | 1.05          | 1.20         | 10 × 40         | 35.00    | 15.50         | 15.50        | 20 × 30         | 33.50    | 13.50         | 13.50        |
| 6 × 10          | 1.60     | 1.05          | 1.20         | 10½ × 16½       | 6.70     | 3.70          | 3.70         | 20 × 32         | 37.50    | 17.10         | 17.10        |
| 6 × 12          | 1.85     | 1.25          | 1.45         | 11 × 17         | 6.30     | 3.70          | 3.70         | 20 × 36         | 43.00    | 18.50         | 18.50        |
| 6 × 14          | 2.85     | 1.65          | 1.90         | 11 × 18         | 6.75     | 3.95          | 3.95         | 21 × 21         | 24.50    | 9.75          | 9.75         |
| 6 × 16          | 4.00     | 2.00          | 2.70         | 11 × 20         | 8.95     | 4.45          | 4.45         | 21 × 25         | 28.00    | 11.10         | 11.10        |
| 6 × 18          | 5.20     | 2.25          | 3.25         | 12 × 12         | 4.00     | 2.70          | 2.70         | 21 × 29         | 29.00    | 11.60         | 11.60        |
| 6 × 20          | 6.00     | 2.50          | 3.50         | 12 × 14         | 4.35     | 2.80          | 2.80         | 22 × 22         | 28.50    | 11.40         | 11.40        |
| 6 × 22          | 7.00     | 3.00          | 3.95         | 12 × 15         | 4.50     | 2.90          | 2.90         | 22 × 24         | 29.50    | 11.80         | 11.80        |
| 6 × 24          | 8.00     | 3.70          | 4.50         | 12 × 16         | 5.60     | 3.50          | 3.50         | 22 × 26         | 31.00    | 13.10         | 13.10        |
| 6 × 28          | 9.50     | 4.25          | 5.40         | 12 × 17         | 6.35     | 3.80          | 3.80         | 22 × 28         | 33.90    | 13.90         | 13.90        |
| 6 × 30          | 11.50    | 4.75          | 6.00         | 12 × 18         | 6.80     | 3.90          | 3.90         | 22 × 30         | 36.00    | 16.00         | 16.00        |
| 6 × 32          | 13.00    | 5.25          | 6.50         | 12 × 19         | 7.50     | 4.00          | 4.00         | 22 × 32         | 42.00    | 17.50         | 17.50        |
| 6 × 36          | 19.00    | 7.50          | 7.50         | 12 × 20         | 9.00     | 4.50          | 4.50         | 22 × 36         | 47.50    | 20.50         | 20.50        |
| 7 × 7           | 1.55     | 1.00          | 1.20         | 12 × 22         | 10.50    | 5.00          | 5.00         | 22 × 38         | 52.00    | 22.50         | 22.50        |
| 7 × 10          | 1.65     | 1.10          | 1.25         | 12 × 24         | 12.25    | 5.50          | 5.50         | 22 × 42         | 64.00    | 27.00         | 27.00        |
| 7 × 12          | 1.90     | 1.25          | 1.50         | 12 × 26         | 16.50    | 7.00          | 7.00         | 24 × 24         | 30.00    | 12.00         | 12.00        |
| 7 × 14          | 2.95     | 1.90          | 1.90         | 12 × 28         | 19.00    | 8.00          | 8.10         | 24 × 27         | 33.95    | 14.00         | 14.00        |
| 7 × 15          | 3.75     | 2.55          | 2.55         | 12 × 30         | 20.00    | 8.20          | 8.20         | 24 × 30         | 38.00    | 17.25         | 17.25        |
| 8 × 8           | 1.60     | 1.05          | 1.20         | 12 × 32         | 24.50    | 9.75          | 9.75         | 24 × 32         | 42.50    | 18.00         | 18.00        |
| 8 × 10          | 1.65     | 1.10          | 1.25         | 12 × 36         | 26.75    | 10.25         | 10.25        | 24 × 36         | 50.00    | 22.00         | 22.00        |
| 8 × 12          | 1.90     | 1.30          | 1.50         | 12 × 40         | 35.00    | 15.50         | 15.50        | 24 × 45         | 67.50    | 28.50         | 28.50        |
| 8 × 13          | 2.75     | 1.85          | 1.85         | 12 × 48         | 46.00    | 20.00         | 20.00        | 27 × 27         | 37.25    | 17.00         | 17.00        |
| 8 × 14          | 3.00     | 2.00          | 2.00         | 14 × 14         | 7.90     | 4.05          | 4.05         | 27 × 38         | 56.00    | 25.00         | 25.00        |
| 8 × 15          | 3.80     | 2.60          | 2.60         | 14 × 15         | 8.25     | 4.20          | 4.20         | 28 × 28         | 44.00    | 19.00         | 19.00        |
| 8 × 16          | 4.50     | 2.70          | 2.70         | 14 × 16         | 8.50     | 4.30          | 4.30         | 28 × 30         | 48.50    | 21.00         | 21.00        |
| 8 × 18          | 6.60     | 3.50          | 3.50         | 14 × 18         | 9.00     | 4.50          | 4.50         | 28 × 32         | 53.00    | 24.50         | 24.50        |
| 8 × 20          | 8.70     | 3.90          | 3.90         | 14 × 20         | 9.50     | 4.80          | 4.80         | 28 × 36         | 64.00    | 27.00         | 27.00        |
| 8 × 21          | 9.00     | 4.00          | 4.00         | 14 × 22         | 10.50    | 5.00          | 5.00         | 30 × 30         | 49.00    | 21.50         | 21.50        |
| 8 × 24          | 11.25    | 4.70          | 4.70         | 14 × 24         | 14.90    | 6.90          | 6.90         | 30 × 36         | 67.50    | 28.50         | 28.50        |
| 8 × 27          | 13.60    | 5.40          | 5.40         | 14 × 30         | 27.50    | 10.75         | 10.75        | 30 × 42         | 77.50    | 33.00         | 33.00        |
| 8 × 30          | 14.70    | 6.30          | 6.30         | 14 × 36         | 36.00    | 16.00         | 16.00        | 30 × 48         | 95.00    | 39.00         | 39.00        |
| 8 × 32          | 19.50    | 8.00          | 8.00         | 14 × 40         | 41.00    | 18.00         | 18.00        | 36 × 36         | 80.00    | 35.00         | 29.50        |
| 8 × 36          | 22.50    | 9.25          | 9.25         | 14 × 48         | 46.00    | 20.00         | 20.00        | 36 × 40         | 105.00   | 44.00         | 32.10        |
| 9 × 9           | 2.00     | 1.40          | 1.60         | 15 × 15         | 10.00    | 4.90          | 4.90         | 36 × 42         | 112.00   | 46.00         | 34.00        |
| 9 × 12          | 2.10     | 1.45          | 1.65         | 15 × 21         | 12.50    | 6.20          | 6.20         | 36 × 48         | 132.00   | 54.00         | 40.00        |
| 9 × 13          | 2.95     | 2.00          | 2.00         | 15 × 25         | 17.50    | 7.10          | 7.10         | 38 × 38         | 100.00   | 43.50         | 32.00        |
| 9 × 14          | 3.10     | 2.15          | 2.15         | 15 × 30         | 27.50    | 10.75         | 10.75        | 38 × 40         | 112.00   | 46.00         | 34.00        |
| 9 × 15          | 3.95     | 2.65          | 2.65         | 15 × 34         | 31.75    | 13.75         | 13.75        | 38 × 42         | 120.00   | 50.00         | 36.00        |
| 9 × 16          | 4.70     | 2.70          | 2.70         | 16 × 16         | 11.00    | 5.10          | 5.10         |                 |          |               |              |
| 9 × 18          | 6.65     | 3.60          | 3.60         | 16 × 18         | 12.00    | 5.30          | 5.30         |                 |          |               |              |

VENTILATORS FOR CORDS, 50 cents list extra on sizes up to 14 x 14, and \$1.00 list extra on 14 x 14 and sizes above.

**Extra heavy faces** furnished at 50 per cent advance upon the ordinary faces.

FOR DESIGNS and list of sizes made in each, see pages 4, 5, and 6.

# REGISTERS AND FACES — For Wall or Ceiling

## WHITE JAPPANED

| Size of Opening | Register | Face   | Size of Opening | Register | Face   | Size of Opening | Register | Face   |
|-----------------|----------|--------|-----------------|----------|--------|-----------------|----------|--------|
| 4½ × 6½         | \$1.70   | \$ .85 | 9 × 20          | \$10.25  | \$5.65 | 16 × 20         | \$13.60  | \$7.35 |
| 4 × 8           | 1.80     | .90    | 9 × 22          | 11.50    | 6.15   | 16 × 22         | 16.20    | 8.15   |
| 4 × 10          | 1.90     | 1.10   | 9 × 24          | 13.20    | 6.50   | 16 × 24         | 16.50    | 8.50   |
| 4 × 12          | 2.20     | 1.35   | 9 × 26          | 16.75    | 7.85   | 16 × 28         | 27.05    | 12.45  |
| 4 × 15          | 3.60     | 1.80   | 9 × 28          | 18.00    | 8.45   | 16 × 30         | 30.70    | 13.80  |
| 4 × 18          | 4.65     | 1.95   | 9 × 30          | 19.25    | 8.85   | 16 × 32         | 34.10    | 16.20  |
| 4 × 21          | 6.00     | 3.25   | 9 × 32          | 24.95    | 11.20  | 16 × 36         | 39.60    | 19.60  |
| 4 × 24          | 7.00     | 3.75   | 9 × 36          | 27.40    | 11.90  | 18 × 18         | 20.35    | 9.05   |
| 4 × 28          | 8.10     | 4.35   | 10 × 10         | 2.85     | 2.15   | 18 × 20         | 21.45    | 9.55   |
| 4 × 32          | 9.30     | 5.00   | 10 × 12         | 2.90     | 2.20   | 18 × 21         | 22.55    | 9.80   |
| 5 × 8           | 1.90     | 1.25   | 10 × 14         | 3.80     | 2.85   | 18 × 24         | 23.65    | 10.50  |
| 5 × 9           | 1.90     | 1.30   | 10 × 15         | 5.00     | 3.00   | 18 × 27         | 30.25    | 13.50  |
| 5 × 10          | 1.95     | 1.40   | 10 × 16         | 5.85     | 3.95   | 18 × 30         | 34.35    | 16.35  |
| 5 × 12          | 2.25     | 1.60   | 10 × 18         | 8.05     | 5.05   | 18 × 36         | 41.80    | 21.05  |
| 5 × 14          | 3.40     | 2.00   | 10 × 20         | 10.50    | 5.75   | 20 × 20         | 21.75    | 10.00  |
| 5 × 16          | 4.65     | 2.55   | 10 × 22         | 12.00    | 6.25   | 20 × 22         | 23.75    | 10.55  |
| 5 × 18          | 6.20     | 3.15   | 10 × 24         | 13.40    | 6.60   | 20 × 24         | 24.20    | 10.80  |
| 6 × 6           | 1.80     | 1.20   | 10 × 30         | 21.45    | 9.95   | 20 × 26         | 25.85    | 11.85  |
| 6 × 8           | 1.85     | 1.30   | 10 × 36         | 28.40    | 12.40  | 20 × 28         | 31.80    | 14.40  |
| 6 × 9           | 1.90     | 1.35   | 10 × 40         | 38.50    | 19.00  | 20 × 30         | 36.85    | 16.85  |
| 6 × 10          | 1.95     | 1.40   | 10½ × 16½       | 8.05     | 5.05   | 20 × 32         | 41.25    | 20.85  |
| 6 × 12          | 2.25     | 1.60   | 11 × 17         | 7.55     | 4.95   | 20 × 36         | 47.30    | 22.80  |
| 6 × 14          | 3.45     | 2.10   | 11 × 18         | 8.10     | 5.30   | 21 × 21         | 26.95    | 12.20  |
| 6 × 16          | 4.80     | 2.80   | 11 × 20         | 10.75    | 6.25   | 21 × 25         | 30.80    | 13.90  |
| 6 × 18          | 6.25     | 3.30   | 12 × 12         | 4.80     | 3.50   | 21 × 29         | 31.90    | 14.50  |
| 6 × 20          | 7.20     | 3.70   | 12 × 14         | 5.25     | 3.65   | 22 × 22         | 31.35    | 14.25  |
| 6 × 22          | 8.40     | 4.40   | 12 × 15         | 5.40     | 3.80   | 22 × 24         | 32.45    | 14.75  |
| 6 × 24          | 9.60     | 5.30   | 12 × 16         | 6.70     | 4.60   | 22 × 26         | 34.10    | 16.20  |
| 6 × 28          | 11.00    | 5.75   | 12 × 17         | 7.60     | 5.05   | 22 × 28         | 37.30    | 17.30  |
| 6 × 30          | 13.00    | 6.25   | 12 × 18         | 8.15     | 5.25   | 22 × 30         | 39.60    | 19.60  |
| 6 × 32          | 14.25    | 6.50   | 12 × 19         | 9.00     | 5.50   | 22 × 32         | 46.20    | 21.70  |
| 6 × 36          | 21.00    | 9.50   | 12 × 20         | 10.80    | 6.30   | 22 × 36         | 52.25    | 25.25  |
| 7 × 7           | 1.90     | 1.35   | 12 × 22         | 12.00    | 6.50   | 22 × 38         | 57.20    | 27.70  |
| 7 × 10          | 2.00     | 1.40   | 12 × 24         | 13.50    | 6.75   | 22 × 42         | 70.40    | 33.40  |
| 7 × 12          | 2.30     | 1.65   | 12 × 26         | 18.50    | 8.75   | 24 × 24         | 33.00    | 15.00  |
| 7 × 14          | 3.55     | 2.50   | 12 × 28         | 21.00    | 10.00  | 24 × 27         | 37.35    | 17.40  |
| 7 × 15          | 4.50     | 3.30   | 12 × 30         | 22.00    | 10.20  | 24 × 30         | 41.80    | 21.05  |
| 8 × 8           | 1.95     | 1.40   | 12 × 32         | 26.95    | 12.20  | 24 × 32         | 46.75    | 22.25  |
| 8 × 10          | 2.00     | 1.45   | 12 × 36         | 29.40    | 12.90  | 24 × 36         | 55.00    | 27.00  |
| 8 × 12          | 2.30     | 1.70   | 12 × 40         | 38.50    | 19.00  | 24 × 45         | 74.25    | 35.25  |
| 8 × 13          | 3.30     | 2.40   | 12 × 48         | 50.60    | 24.60  | 27 × 27         | 40.95    | 20.70  |
| 8 × 14          | 3.60     | 2.60   | 14 × 14         | 9.45     | 5.60   | 27 × 38         | 61.60    | 30.60  |
| 8 × 15          | 4.55     | 3.35   | 14 × 15         | 9.90     | 5.85   | 28 × 28         | 48.40    | 23.40  |
| 8 × 16          | 5.40     | 3.60   | 14 × 16         | 10.20    | 6.00   | 28 × 30         | 53.35    | 25.85  |
| 8 × 18          | 7.90     | 4.80   | 14 × 18         | 10.80    | 6.30   | 28 × 32         | 58.30    | 29.80  |
| 8 × 20          | 10.40    | 5.60   | 14 × 20         | 11.25    | 6.40   | 28 × 36         | 70.40    | 33.40  |
| 8 × 21          | 10.80    | 5.80   | 14 × 22         | 12.00    | 6.50   | 30 × 30         | 53.90    | 26.40  |
| 8 × 24          | 12.40    | 6.00   | 14 × 24         | 16.40    | 8.40   | 30 × 36         | 74.25    | 35.25  |
| 8 × 27          | 15.00    | 6.80   | 14 × 30         | 30.25    | 13.20  | 30 × 42         | 85.25    | 40.75  |
| 8 × 30          | 16.30    | 7.90   | 14 × 36         | 39.60    | 19.60  | 30 × 48         | 104.50   | 48.50  |
| 8 × 32          | 21.25    | 9.75   | 14 × 40         | 45.60    | 22.60  | 36 × 36         | 88.00    | 43.00  |
| 8 × 36          | 25.95    | 11.20  | 14 × 48         | 50.60    | 24.60  | 36 × 40         | 115.50   | 54.50  |
| 9 × 9           | 2.40     | 1.80   | 15 × 15         | 11.25    | 6.15   | 36 × 42         | 123.20   | 57.20  |
| 9 × 12          | 2.55     | 1.90   | 15 × 21         | 13.75    | 7.45   | 36 × 48         | 145.20   | 67.20  |
| 9 × 13          | 3.55     | 2.55   | 15 × 25         | 19.25    | 8.85   | 38 × 38         | 110.00   | 53.50  |
| 9 × 14          | 3.70     | 2.75   | 15 × 30         | 30.25    | 13.20  | 38 × 40         | 123.20   | 57.20  |
| 9 × 15          | 4.75     | 3.45   | 15 × 34         | 34.90    | 16.90  | 38 × 42         | 132.00   | 62.00  |
| 9 × 16          | 5.65     | 3.65   | 16 × 16         | 12.20    | 6.20   |                 |          |        |
| 9 × 18          | 8.00     | 4.95   | 16 × 18         | 13.20    | 6.50   |                 |          |        |

VENTILATORS FOR CORDS, 50 cents list extra on sizes up to 14 x 14, and \$1.00 list extra on 14 x 14 and sizes above.

FOR DESIGNS and list of sizes made in each, see pages 4, 5, and 6.



## REGISTERS, FACES, BORDERS

## BRONZED TO IMITATE GOLD, SILVER, COPPER, AND BRONZE METAL

| Size of Opening | Register | Register Face | Floor Border | Size of Opening | Register | Register Face | Floor Border | Size of Opening | Register | Register Face | Floor Border |
|-----------------|----------|---------------|--------------|-----------------|----------|---------------|--------------|-----------------|----------|---------------|--------------|
| 4½ × 6½         | \$2.00   | \$1.15        | \$1.75       | 9 × 20          | \$11.85  | \$7.40        | \$7.40       | 16 × 20         | \$16.55  | \$10.30       | \$10.30      |
| 4 × 8           | 2.20     | 1.30          | 1.85         | 9 × 22          | 13.95    | 8.10          | 8.10         | 16 × 22         | 19.50    | 11.50         | 11.50        |
| 4 × 10          | 2.40     | 1.60          | 2.00         | 9 × 24          | 16.00    | 9.30          | 9.30         | 16 × 24         | 20.00    | 12.00         | 12.00        |
| 4 × 12          | 2.80     | 2.15          | 2.55         | 9 × 26          | 19.25    | 10.25         | 10.25        | 16 × 28         | 30.80    | 16.20         | 16.20        |
| 4 × 15          | 4.00     | 2.70          | 3.40         | 9 × 28          | 21.75    | 11.90         | 11.90        | 16 × 30         | 35.00    | 18.25         | 18.25        |
| 4 × 18          | 5.00     | 3.20          | 4.65         | 9 × 30          | 22.50    | 12.10         | 12.10        | 16 × 32         | 38.25    | 20.35         | 20.35        |
| 4 × 21          | 6.50     | 4.25          | 5.15         | 9 × 32          | 29.50    | 15.75         | 15.75        | 16 × 36         | 45.00    | 25.00         | 25.00        |
| 4 × 24          | 7.50     | 4.75          | 5.75         | 9 × 36          | 31.75    | 16.75         | 16.75        | 18 × 18         | 23.75    | 12.45         | 12.45        |
| 4 × 28          | 8.75     | 5.60          | 6.85         | 10 × 10         | 4.35     | 3.65          | 3.70         | 18 × 20         | 24.75    | 12.85         | 12.85        |
| 4 × 32          | 10.00    | 6.50          | 7.75         | 10 × 12         | 4.40     | 3.70          | 3.75         | 18 × 21         | 26.00    | 13.25         | 13.25        |
| 5 × 8           | 2.75     | 2.10          | 2.35         | 10 × 14         | 5.25     | 4.30          | 4.30         | 18 × 24         | 27.75    | 14.60         | 14.60        |
| 5 × 9           | 2.90     | 2.30          | 2.50         | 10 × 15         | 6.50     | 4.75          | 4.90         | 18 × 27         | 35.00    | 18.25         | 18.25        |
| 5 × 10          | 2.95     | 2.40          | 2.55         | 10 × 16         | 7.20     | 5.30          | 5.30         | 18 × 30         | 38.00    | 21.00         | 21.00        |
| 5 × 12          | 3.45     | 2.85          | 3.00         | 10 × 18         | 9.45     | 6.45          | 6.45         | 18 × 36         | 48.50    | 28.10         | 26.00        |
| 5 × 14          | 4.80     | 3.50          | 3.90         | 10 × 20         | 12.00    | 7.50          | 7.50         | 20 × 20         | 24.75    | 13.00         | 13.00        |
| 5 × 16          | 5.90     | 3.80          | 4.60         | 10 × 22         | 14.50    | 9.00          | 9.00         | 20 × 22         | 27.60    | 14.40         | 14.40        |
| 5 × 18          | 7.25     | 4.10          | 5.20         | 10 × 24         | 16.25    | 9.45          | 9.45         | 20 × 24         | 28.20    | 14.80         | 14.80        |
| 6 × 6           | 2.70     | 2.10          | 2.35         | 10 × 30         | 25.50    | 14.00         | 14.00        | 20 × 26         | 32.00    | 17.50         | 17.50        |
| 6 × 8           | 2.80     | 2.25          | 2.40         | 10 × 36         | 32.75    | 17.25         | 17.25        | 20 × 28         | 37.40    | 20.00         | 20.00        |
| 6 × 9           | 2.95     | 2.40          | 2.55         | 10 × 40         | 45.00    | 25.00         | 25.00        | 20 × 30         | 43.00    | 23.50         | 23.50        |
| 6 × 10          | 3.00     | 2.45          | 2.60         | 10½ × 16½       | 9.45     | 6.45          | 6.45         | 20 × 32         | 48.50    | 28.10         | 26.00        |
| 6 × 12          | 3.50     | 2.90          | 3.10         | 11 × 17         | 8.95     | 6.40          | 6.40         | 20 × 36         | 54.00    | 29.50         | 28.50        |
| 6 × 14          | 4.95     | 3.75          | 4.00         | 11 × 18         | 9.50     | 6.70          | 6.70         | 21 × 21         | 31.00    | 16.25         | 16.25        |
| 6 × 16          | 6.00     | 4.00          | 4.70         | 11 × 20         | 12.00    | 7.50          | 7.50         | 21 × 25         | 35.50    | 18.60         | 18.60        |
| 6 × 18          | 7.00     | 4.50          | 5.50         | 12 × 12         | 6.35     | 5.05          | 5.05         | 21 × 29         | 40.50    | 22.20         | 22.20        |
| 6 × 20          | 8.20     | 4.75          | 5.80         | 12 × 14         | 6.85     | 5.35          | 5.35         | 22 × 22         | 36.50    | 19.40         | 19.40        |
| 6 × 22          | 10.00    | 6.00          | 6.95         | 12 × 15         | 7.00     | 5.40          | 5.40         | 22 × 24         | 37.90    | 20.20         | 20.20        |
| 6 × 24          | 12.00    | 7.00          | 7.50         | 12 × 16         | 8.25     | 6.15          | 6.15         | 22 × 26         | 41.00    | 23.00         | 23.00        |
| 6 × 28          | 14.50    | 8.00          | 9.00         | 12 × 17         | 9.00     | 6.45          | 6.45         | 22 × 28         | 44.00    | 24.00         | 24.00        |
| 6 × 30          | 16.50    | 8.90          | 10.00        | 12 × 18         | 9.55     | 6.65          | 6.65         | 22 × 30         | 46.50    | 26.50         | 25.50        |
| 6 × 32          | 18.00    | 9.50          | 10.50        | 12 × 19         | 10.35    | 6.85          | 6.85         | 22 × 32         | 54.00    | 29.50         | 28.50        |
| 6 × 36          | 26.25    | 14.75         | 14.85        | 12 × 20         | 12.20    | 7.60          | 7.60         | 22 × 36         | 60.50    | 35.00         | 31.75        |
| 7 × 7           | 2.90     | 2.35          | 2.55         | 12 × 22         | 14.50    | 9.00          | 9.00         | 22 × 38         | 65.50    | 37.50         | 34.25        |
| 7 × 10          | 3.10     | 2.55          | 2.70         | 12 × 24         | 16.30    | 9.55          | 9.55         | 22 × 42         | 75.00    | 43.00         | 35.00        |
| 7 × 12          | 3.60     | 2.95          | 3.20         | 12 × 26         | 22.50    | 12.50         | 12.50        | 24 × 24         | 40.00    | 22.00         | 22.00        |
| 7 × 14          | 5.00     | 3.95          | 3.95         | 12 × 28         | 25.00    | 14.00         | 14.00        | 24 × 27         | 45.00    | 25.00         | 25.00        |
| 7 × 15          | 5.90     | 4.70          | 4.70         | 12 × 30         | 26.00    | 14.20         | 14.20        | 24 × 30         | 50.00    | 29.25         | 28.25        |
| 8 × 8           | 3.00     | 2.45          | 2.60         | 12 × 32         | 31.50    | 16.75         | 16.75        | 24 × 32         | 55.50    | 31.00         | 30.00        |
| 8 × 10          | 3.15     | 2.60          | 2.75         | 12 × 36         | 33.75    | 17.75         | 17.75        | 24 × 36         | 65.50    | 37.50         | 34.25        |
| 8 × 12          | 3.65     | 3.05          | 3.25         | 12 × 40         | 45.00    | 25.00         | 25.00        | 24 × 45         | 89.50    | 50.50         | 40.00        |
| 8 × 13          | 4.75     | 3.85          | 3.85         | 12 × 48         | 60.00    | 35.25         | 31.65        | 27 × 27         | 49.25    | 29.00         | 28.00        |
| 8 × 14          | 5.10     | 3.95          | 3.95         | 14 × 14         | 11.00    | 7.15          | 7.15         | 27 × 38         | 76.00    | 45.00         | 36.00        |
| 8 × 15          | 6.00     | 4.80          | 4.80         | 14 × 15         | 11.25    | 7.25          | 7.25         | 28 × 28         | 57.50    | 32.50         | 31.00        |
| 8 × 16          | 6.75     | 5.00          | 5.00         | 14 × 16         | 11.50    | 7.30          | 7.30         | 28 × 30         | 61.50    | 35.50         | 32.00        |
| 8 × 18          | 9.40     | 6.00          | 6.00         | 14 × 18         | 12.00    | 7.50          | 7.50         | 28 × 32         | 68.00    | 39.50         | 35.00        |
| 8 × 20          | 11.70    | 6.90          | 6.90         | 14 × 20         | 13.00    | 8.50          | 8.50         | 28 × 36         | 86.00    | 49.00         | 37.00        |
| 8 × 21          | 12.50    | 7.50          | 7.50         | 14 × 22         | 14.50    | 9.00          | 9.00         | 30 × 30         | 65.00    | 37.00         | 34.00        |
| 8 × 24          | 15.25    | 8.70          | 8.70         | 14 × 24         | 19.50    | 11.50         | 11.50        | 30 × 36         | 90.00    | 51.00         | 41.00        |
| 8 × 27          | 17.75    | 9.55          | 9.55         | 14 × 30         | 33.00    | 18.00         | 18.00        | 30 × 42         | 102.00   | 57.50         | 50.50        |
| 8 × 30          | 19.50    | 10.50         | 10.50        | 14 × 36         | 45.00    | 25.00         | 25.00        | 30 × 48         | 124.00   | 68.00         | 60.00        |
| 8 × 32          | 25.50    | 14.00         | 14.00        | 14 × 40         | 54.00    | 31.00         | 30.00        | 36 × 36         | 105.00   | 60.00         | 54.50        |
| 8 × 36          | 29.50    | 15.00         | 15.00        | 14 × 48         | 60.00    | 35.25         | 31.65        | 36 × 40         | 135.00   | 74.00         | 62.10        |
| 9 × 9           | 3.90     | 3.30          | 3.50         | 15 × 15         | 14.00    | 8.90          | 8.90         | 36 × 42         | 143.00   | 77.00         | 65.00        |
| 9 × 12          | 4.00     | 3.35          | 3.55         | 15 × 21         | 16.85    | 10.50         | 10.50        | 36 × 48         | 168.00   | 90.00         | 76.00        |
| 9 × 13          | 4.95     | 4.00          | 4.00         | 15 × 25         | 23.00    | 12.60         | 12.60        | 38 × 38         | 130.00   | 71.00         | 59.50        |
| 9 × 14          | 5.20     | 4.25          | 4.25         | 15 × 30         | 33.00    | 18.00         | 18.00        | 38 × 40         | 142.00   | 76.00         | 64.00        |
| 9 × 15          | 6.50     | 4.90          | 5.20         | 15 × 34         | 41.25    | 23.25         | 23.25        | 38 × 42         | 155.00   | 85.00         | 71.00        |
| 9 × 16          | 7.15     | 5.15          | 5.30         | 16 × 16         | 15.00    | 9.10          | 9.10         |                 |          |               |              |
| 9 × 18          | 9.35     | 6.30          | 6.30         | 16 × 18         | 16.20    | 9.50          | 9.50         |                 |          |               |              |

VENTILATORS FOR CORDS, 50 cents list extra on sizes up to 14 x 14, and \$1.00 list extra on 14 x 14 and sizes above.

FOR DESIGNS and list of sizes made in each, see pages 4, 5, and 6.



# REGISTERS, FACES, BORDERS

## ELECTROPLATED, NICKEL, BRASS, BRONZE, OR COPPER

| Size of Opening | Register | Register Face | Floor Border | Size of Opening | Register | Register Face | Floor Border | Size of Opening | Register | Register Face | Floor Border |
|-----------------|----------|---------------|--------------|-----------------|----------|---------------|--------------|-----------------|----------|---------------|--------------|
| 4½ × 6½         | \$2.20   | \$1.35        | \$2.10       | 9 × 20          | \$13.65  | \$9.20        | \$9.70       | 16 × 20         | \$24.60  | \$16.00       | \$14.00      |
| 4 × 8           | 2.40     | 1.50          | 2.15         | 9 × 22          | 16.00    | 10.15         | 10.50        | 16 × 22         | 28.00    | 18.00         | 16.00        |
| 4 × 10          | 2.60     | 1.80          | 2.40         | 9 × 24          | 18.10    | 11.40         | 11.90        | 16 × 24         | 29.60    | 19.25         | 17.10        |
| 4 × 12          | 3.10     | 2.45          | 3.00         | 9 × 26          | 21.65    | 12.65         | 12.90        | 16 × 28         | 35.00    | 22.75         | 18.80        |
| 4 × 15          | 4.30     | 3.00          | 4.00         | 9 × 28          | 24.25    | 14.40         | 14.80        | 16 × 30         | 37.50    | 25.00         | 21.60        |
| 4 × 18          | 5.40     | 3.60          | 5.00         | 9 × 30          | 25.25    | 14.80         | 15.10        | 16 × 32         | 42.00    | 27.50         | 22.00        |
| 4 × 21          | 7.00     | 4.75          | 6.00         | 9 × 32          | 32.50    | 19.00         | 19.00        | 16 × 36         | 50.00    | 33.00         | 27.00        |
| 4 × 24          | 8.10     | 5.35          | 7.00         | 9 × 36          | 34.25    | 22.25         | 20.50        | 18 × 18         | 26.00    | 16.50         | 15.00        |
| 4 × 28          | 9.55     | 6.30          | 8.60         | 10 × 10         | 5.35     | 4.65          | 5.20         | 18 × 20         | 29.00    | 18.00         | 17.00        |
| 4 × 32          | 10.90    | 7.20          | 9.85         | 10 × 12         | 5.50     | 4.80          | 5.35         | 18 × 21         | 30.00    | 19.00         | 18.00        |
| 5 × 8           | 3.00     | 2.35          | 2.90         | 10 × 14         | 6.55     | 5.60          | 6.00         | 18 × 24         | 34.25    | 22.50         | 18.75        |
| 5 × 9           | 3.15     | 2.50          | 3.10         | 10 × 15         | 8.00     | 6.40          | 7.00         | 18 × 27         | 39.00    | 25.50         | 21.70        |
| 5 × 10          | 3.25     | 2.70          | 3.25         | 10 × 16         | 8.60     | 6.70          | 7.20         | 18 × 30         | 43.00    | 28.50         | 22.70        |
| 5 × 12          | 3.90     | 3.30          | 3.75         | 10 × 18         | 11.00    | 8.00          | 8.55         | 18 × 36         | 54.00    | 36.00         | 28.00        |
| 5 × 14          | 5.20     | 3.90          | 4.50         | 10 × 20         | 13.80    | 9.30          | 9.80         | 20 × 20         | 32.40    | 21.20         | 18.10        |
| 5 × 16          | 6.40     | 4.30          | 5.60         | 10 × 22         | 16.50    | 11.00         | 11.00        | 20 × 22         | 35.70    | 23.50         | 19.00        |
| 5 × 18          | 7.85     | 4.75          | 6.30         | 10 × 24         | 18.50    | 12.00         | 12.15        | 20 × 24         | 39.00    | 25.50         | 21.70        |
| 6 × 6           | 3.00     | 2.40          | 2.95         | 10 × 30         | 28.00    | 16.75         | 17.00        | 20 × 26         | 42.00    | 27.50         | 22.00        |
| 6 × 8           | 3.10     | 2.50          | 3.00         | 10 × 36         | 35.25    | 22.75         | 21.00        | 20 × 28         | 45.50    | 30.00         | 24.50        |
| 6 × 9           | 3.40     | 2.85          | 3.45         | 10 × 40         | 48.00    | 31.50         | 27.00        | 20 × 30         | 49.00    | 32.50         | 26.00        |
| 6 × 10          | 3.50     | 2.95          | 3.60         | 10½ × 16½       | 11.00    | 8.00          | 8.55         | 20 × 32         | 52.00    | 34.00         | 27.50        |
| 6 × 12          | 4.20     | 3.60          | 4.10         | 11 × 17         | 10.50    | 8.00          | 8.60         | 20 × 36         | 59.00    | 39.00         | 31.50        |
| 6 × 14          | 5.75     | 4.50          | 5.30         | 11 × 18         | 11.15    | 8.25          | 8.95         | 21 × 21         | 37.00    | 24.75         | 21.00        |
| 6 × 16          | 6.90     | 4.90          | 6.10         | 11 × 20         | 14.00    | 9.40          | 9.80         | 21 × 25         | 44.00    | 29.00         | 23.00        |
| 6 × 18          | 8.00     | 5.50          | 7.00         | 12 × 12         | 7.90     | 6.60          | 7.10         | 21 × 29         | 52.00    | 34.00         | 27.50        |
| 6 × 20          | 9.30     | 5.85          | 7.40         | 12 × 14         | 8.25     | 6.75          | 7.35         | 22 × 22         | 41.00    | 27.00         | 21.75        |
| 6 × 22          | 11.25    | 7.25          | 8.65         | 12 × 15         | 8.50     | 6.90          | 7.60         | 22 × 24         | 44.00    | 29.00         | 23.00        |
| 6 × 24          | 13.30    | 8.30          | 9.30         | 12 × 16         | 9.75     | 7.65          | 8.25         | 22 × 26         | 48.00    | 32.00         | 25.50        |
| 6 × 28          | 16.00    | 9.50          | 11.00        | 12 × 17         | 10.60    | 8.05          | 8.65         | 22 × 28         | 52.00    | 34.00         | 27.50        |
| 6 × 30          | 18.25    | 10.65         | 12.10        | 12 × 18         | 11.25    | 8.35          | 9.00         | 22 × 30         | 55.00    | 36.50         | 28.75        |
| 6 × 32          | 21.00    | 12.50         | 12.60        | 12 × 19         | 12.25    | 8.75          | 9.25         | 22 × 32         | 59.00    | 39.00         | 31.50        |
| 6 × 36          | 29.50    | 17.50         | 17.60        | 12 × 20         | 14.10    | 9.50          | 9.90         | 22 × 36         | 66.00    | 44.50         | 34.00        |
| 7 × 7           | 3.50     | 2.95          | 3.55         | 12 × 22         | 17.05    | 11.00         | 11.25        | 22 × 38         | 70.00    | 47.00         | 36.00        |
| 7 × 10          | 3.80     | 3.25          | 3.80         | 12 × 24         | 18.60    | 12.10         | 12.25        | 22 × 42         | 82.50    | 53.50         | 39.50        |
| 7 × 12          | 4.35     | 3.70          | 4.35         | 12 × 26         | 26.30    | 17.30         | 16.00        | 24 × 24         | 49.00    | 32.50         | 26.00        |
| 7 × 14          | 6.10     | 5.00          | 5.50         | 12 × 28         | 28.80    | 17.80         | 16.50        | 24 × 27         | 56.00    | 37.00         | 29.00        |
| 7 × 15          | 6.90     | 5.70          | 6.30         | 12 × 30         | 29.00    | 18.00         | 17.00        | 24 × 30         | 62.00    | 41.50         | 32.00        |
| 8 × 8           | 3.70     | 3.15          | 3.65         | 12 × 32         | 34.50    | 20.00         | 20.00        | 24 × 32         | 66.00    | 44.50         | 34.00        |
| 8 × 10          | 3.85     | 3.30          | 3.90         | 12 × 36         | 36.25    | 23.25         | 21.50        | 24 × 36         | 74.00    | 50.30         | 36.50        |
| 8 × 12          | 4.40     | 3.75          | 4.40         | 12 × 40         | 50.00    | 33.00         | 27.00        | 24 × 45         | 92.00    | 63.00         | 45.00        |
| 8 × 13          | 5.75     | 4.85          | 5.30         | 12 × 48         | 69.50    | 46.50         | 35.75        | 27 × 27         | 66.00    | 44.50         | 34.00        |
| 8 × 14          | 6.20     | 5.10          | 5.60         | 14 × 14         | 14.30    | 9.60          | 10.00        | 27 × 38         | 94.00    | 64.00         | 46.00        |
| 8 × 15          | 7.00     | 5.80          | 6.40         | 14 × 15         | 15.30    | 10.00         | 10.50        | 28 × 28         | 72.00    | 49.00         | 36.40        |
| 8 × 16          | 8.00     | 6.25          | 7.00         | 14 × 16         | 16.50    | 11.00         | 11.00        | 28 × 30         | 76.00    | 52.50         | 37.00        |
| 8 × 18          | 10.70    | 7.30          | 8.00         | 14 × 18         | 18.50    | 12.00         | 12.15        | 28 × 32         | 84.00    | 55.00         | 40.50        |
| 8 × 20          | 13.00    | 8.25          | 9.00         | 14 × 20         | 20.50    | 13.00         | 12.75        | 28 × 36         | 92.00    | 63.00         | 45.00        |
| 8 × 21          | 14.00    | 9.00          | 9.70         | 14 × 22         | 22.50    | 14.50         | 13.50        | 30 × 30         | 85.00    | 56.00         | 41.00        |
| 8 × 24          | 17.00    | 10.50         | 11.10        | 14 × 24         | 26.00    | 16.50         | 15.00        | 30 × 36         | 102.00   | 70.00         | 48.00        |
| 8 × 27          | 19.75    | 11.50         | 12.20        | 14 × 30         | 37.50    | 25.00         | 21.60        | 30 × 42         | 119.00   | 87.00         | 60.00        |
| 8 × 30          | 21.60    | 12.60         | 13.50        | 14 × 36         | 50.00    | 33.00         | 27.00        | 30 × 48         | 136.00   | 94.00         | 72.00        |
| 8 × 32          | 28.00    | 16.75         | 16.75        | 14 × 40         | 60.00    | 41.50         | 33.00        | 36 × 36         | 127.00   | 83.00         | 66.00        |
| 8 × 36          | 32.50    | 20.00         | 19.00        | 14 × 48         | 69.50    | 46.50         | 35.75        | 36 × 40         | 142.00   | 95.00         | 76.00        |
| 9 × 9           | 4.90     | 4.30          | 4.75         | 15 × 15         | 17.00    | 11.90         | 12.00        | 36 × 42         | 150.00   | 96.50         | 80.50        |
| 9 × 12          | 5.10     | 4.45          | 5.00         | 15 × 21         | 25.00    | 16.25         | 14.50        | 36 × 48         | 173.00   | 103.00        | 87.00        |
| 9 × 13          | 6.15     | 5.20          | 5.70         | 15 × 25         | 31.00    | 20.00         | 18.50        | 38 × 38         | 145.00   | 95.50         | 77.00        |
| 9 × 14          | 6.50     | 5.50          | 5.95         | 15 × 30         | 37.50    | 25.00         | 21.60        | 38 × 40         | 153.00   | 97.00         | 81.50        |
| 9 × 15          | 7.80     | 6.20          | 7.00         | 15 × 34         | 46.00    | 30.50         | 25.00        | 38 × 42         | 160.00   | 100.00        | 83.50        |
| 9 × 16          | 8.55     | 6.55          | 7.10         | 16 × 16         | 19.75    | 12.80         | 12.50        |                 |          |               |              |
| 9 × 18          | 11.00    | 7.95          | 8.40         | 16 × 18         | 22.25    | 14.25         | 13.25        |                 |          |               |              |

VENTILATORS FOR CORDS, 50 cents list extra on sizes up to 14 x 14, and \$1.00 list extra on 14 x 14 and sizes above.

FOR DESIGNS and list of sizes made in each, see pages 4, 5, and 6.

REGISTERS, FACES, BORDERS, electroplated on iron, can be furnished in a wide range of color and surface finishes to match hardware, woodwork, or furnishings, at a moderate advance in cost.

A sample should accompany order.

## REGISTERS, FACES, BORDERS

## WHITE PORCELAIN ENAMELED

| Size of Opening | Register | Floor Border | Size of Opening | Register | Floor Border | Size of Opening | Register | Floor Border | Size of Opening | Register | Floor Border |
|-----------------|----------|--------------|-----------------|----------|--------------|-----------------|----------|--------------|-----------------|----------|--------------|
| 4½ × 6½         | \$3.00   | \$2.70       | 8 × 18          | \$12.40  | \$11.15      | 12 × 18         | \$17.70  | \$15.90      | 20 × 20         | \$32.50  | \$29.25      |
| 4 × 8           | 3.40     | 3.05         | 8 × 20          | 13.50    | 12.15        | 12 × 19         | 18.70    | 16.80        | 20 × 22         | 35.70    | 32.15        |
| 4 × 10          | 3.75     | 3.40         | 8 × 21          | 14.50    | 13.05        | 12 × 20         | 20.00    | 18.00        | 20 × 24         | 39.00    | 35.10        |
| 4 × 12          | 5.60     | 5.00         | 8 × 24          | 17.50    | 15.75        | 12 × 22         | 21.35    | 19.15        | 20 × 26         | 42.00    | 37.80        |
| 4 × 15          | 7.00     | 6.30         | 8 × 27          | 20.00    | 18.00        | 12 × 24         | 23.25    | 20.95        | 20 × 28         | 45.50    | 40.95        |
| 4 × 18          | 8.40     | 7.55         | 8 × 30          | 21.60    | 19.45        | 12 × 26         | 26.00    | 23.50        | 20 × 30         | 49.00    | 44.10        |
| 4 × 21          | 9.80     | 8.80         | 8 × 32          | 28.00    | 26.00        | 12 × 28         | 28.00    | 25.50        | 20 × 32         | 52.00    | 46.80        |
| 4 × 24          | 11.10    | 10.00        | 8 × 36          | 34.00    | 31.00        | 12 × 30         | 30.00    | 27.00        | 20 × 36         | 59.00    | 53.10        |
| 4 × 28          | 12.90    | 12.00        | 9 × 9           | 6.90     | 6.20         | 12 × 32         | 34.50    | 31.00        | 21 × 21         | 37.00    | 29.60        |
| 4 × 32          | 14.75    | 14.00        | 9 × 12          | 9.10     | 8.20         | 12 × 36         | 38.25    | 34.45        | 21 × 25         | 44.00    | 35.20        |
| 5 × 8           | 4.20     | 3.80         | 9 × 13          | 9.80     | 8.80         | 12 × 40         | 50.00    | 45.00        | 21 × 29         | 52.00    | 41.60        |
| 5 × 9           | 4.70     | 4.25         | 9 × 14          | 10.60    | 9.55         | 12 × 48         | 69.50    | 62.50        | 22 × 22         | 41.00    | 32.80        |
| 5 × 10          | 5.30     | 4.80         | 9 × 15          | 11.30    | 10.15        | 14 × 14         | 16.20    | 14.60        | 22 × 24         | 44.00    | 35.20        |
| 5 × 12          | 6.30     | 5.65         | 9 × 16          | 12.10    | 10.90        | 14 × 15         | 17.30    | 15.55        | 22 × 26         | 48.00    | 38.40        |
| 5 × 14          | 7.40     | 6.65         | 9 × 18          | 13.60    | 12.25        | 14 × 16         | 18.40    | 16.55        | 22 × 28         | 52.00    | 41.60        |
| 5 × 16          | 8.40     | 7.55         | 9 × 20          | 15.10    | 13.60        | 14 × 18         | 20.10    | 18.10        | 22 × 30         | 55.00    | 44.00        |
| 5 × 18          | 9.50     | 8.55         | 9 × 22          | 16.60    | 14.95        | 14 × 20         | 23.30    | 20.95        | 22 × 32         | 59.00    | 47.20        |
| 6 × 6           | 3.40     | 3.05         | 9 × 24          | 18.25    | 16.40        | 14 × 22         | 27.40    | 24.65        | 22 × 36         | 66.00    | 52.80        |
| 6 × 8           | 4.60     | 4.15         | 9 × 26          | 21.65    | 19.50        | 14 × 24         | 29.50    | 26.55        | 22 × 38         | 70.00    | 56.00        |
| 6 × 9           | 5.10     | 4.60         | 9 × 28          | 24.25    | 21.85        | 14 × 30         | 37.00    | 32.00        | 22 × 42         | 82.50    | 66.00        |
| 6 × 10          | 5.70     | 5.15         | 9 × 30          | 25.25    | 22.75        | 14 × 36         | 50.00    | 45.00        | 24 × 24         | 49.00    | 39.20        |
| 6 × 12          | 6.80     | 6.10         | 9 × 32          | 32.50    | 29.00        | 14 × 40         | 57.50    | 52.00        | 24 × 27         | 56.00    | 44.80        |
| 6 × 14          | 8.00     | 7.20         | 9 × 36          | 36.25    | 32.45        | 14 × 48         | 69.50    | 62.55        | 24 × 30         | 62.00    | 49.60        |
| 6 × 16          | 9.10     | 8.20         | 10 × 10         | 8.20     | 7.40         | 15 × 15         | 18.50    | 16.65        | 24 × 32         | 66.00    | 52.00        |
| 6 × 18          | 10.30    | 9.25         | 10 × 12         | 9.80     | 8.80         | 15 × 21         | 26.50    | 23.85        | 24 × 36         | 74.00    | 59.20        |
| 6 × 20          | 11.40    | 10.25        | 10 × 14         | 11.50    | 10.35        | 15 × 25         | 31.00    | 27.90        | 24 × 45         | 92.00    | 73.60        |
| 6 × 22          | 12.50    | 11.25        | 10 × 15         | 12.60    | 11.40        | 15 × 30         | 37.50    | 33.75        | 27 × 27         | 66.00    | 52.80        |
| 6 × 24          | 14.00    | 12.60        | 10 × 16         | 13.10    | 11.80        | 15 × 34         | 46.00    | 41.40        | 27 × 38         | 94.00    | 75.20        |
| 6 × 28          | 17.00    | 15.30        | 10 × 18         | 14.80    | 13.30        | 16 × 16         | 21.20    | 19.05        | 28 × 28         | 72.00    | 57.60        |
| 6 × 30          | 18.50    | 16.65        | 10 × 20         | 16.40    | 14.75        | 16 × 18         | 23.80    | 21.40        | 28 × 30         | 77.00    | 61.60        |
| 6 × 32          | 21.00    | 18.90        | 10 × 22         | 18.50    | 16.65        | 16 × 20         | 26.30    | 23.65        | 28 × 32         | 84.00    | 67.20        |
| 6 × 36          | 32.50    | 30.00        | 10 × 24         | 21.00    | 18.90        | 16 × 22         | 29.00    | 26.10        | 28 × 36         | 92.00    | 73.60        |
| 7 × 7           | 4.75     | 4.30         | 10 × 30         | 30.00    | 27.00        | 16 × 24         | 31.60    | 28.45        | 30 × 30         | 85.00    | 68.00        |
| 7 × 10          | 6.60     | 5.95         | 10 × 36         | 37.25    | 33.45        | 16 × 28         | 36.70    | 33.05        | 30 × 36         | 102.00   | 81.60        |
| 7 × 12          | 7.90     | 7.10         | 10 × 40         | 50.00    | 45.00        | 16 × 30         | 39.40    | 35.45        | 30 × 42         | 119.00   | 95.20        |
| 7 × 14          | 9.20     | 8.30         | 10½ × 16½       | 14.80    | 13.30        | 16 × 32         | 42.50    | 38.25        | 30 × 48         | 136.00   | 108.80       |
| 7 × 15          | 9.90     | 8.90         | 11 × 17         | 15.30    | 13.75        | 16 × 36         | 50.00    | 45.00        | 36 × 36         | 127.00   | 101.60       |
| 8 × 8           | 5.50     | 4.95         | 11 × 18         | 16.20    | 14.60        | 18 × 18         | 26.60    | 23.95        | 36 × 40         | 142.00   | 113.60       |
| 8 × 10          | 6.90     | 6.20         | 11 × 20         | 18.00    | 16.20        | 18 × 20         | 30.00    | 27.00        | 36 × 42         | 150.00   | 120.00       |
| 8 × 12          | 8.30     | 7.45         | 12 × 12         | 11.80    | 10.60        | 18 × 21         | 32.10    | 28.90        | 36 × 48         | 173.00   | 138.40       |
| 8 × 13          | 9.00     | 8.10         | 12 × 14         | 13.80    | 12.40        | 18 × 24         | 35.50    | 31.95        | 38 × 38         | 145.00   | 116.00       |
| 8 × 14          | 9.70     | 8.70         | 12 × 15         | 14.80    | 13.30        | 18 × 27         | 39.90    | 35.90        | 38 × 40         | 153.00   | 122.40       |
| 8 × 15          | 10.30    | 9.25         | 12 × 16         | 15.80    | 14.20        | 18 × 30         | 44.30    | 39.85        | 38 × 42         | 160.00   | 128.00       |
| 8 × 16          | 11.20    | 10.10        | 12 × 17         | 16.70    | 15.00        | 18 × 36         | 54.10    | 48.70        |                 |          |              |

VENTILATORS FOR CORDS, 50 cents list extra on sizes up to 14 x 14, and \$1.00 list extra on 14 x 14 and sizes above.

NOTE. — Porcelain enamel faces same price as floor borders.

PORCELAIN ENAMEL FINISH can be furnished in the following designs: PLAIN LATTICE, MALTESE, INDIAN LATTICE, and HIGHTONE Patterns.

For cuts and list of sizes made in these designs, see pages 4, 5, and 6.



# REGISTERS, FACES, BORDERS — For Either Floor or Wall

## SOLID BRASS OR BRONZE METAL, HIGHLY POLISHED AND LACQUERED

| Size of Opening | Register | Register Face | Floor Border | Size of Opening | Register | Register Face | Floor Border | Size of Opening | Register | Register Face | Floor Border |
|-----------------|----------|---------------|--------------|-----------------|----------|---------------|--------------|-----------------|----------|---------------|--------------|
| 4½ × 6½         | \$2.80   | \$2.20        | \$5.40       | 9 × 20          | \$16.10  | \$14.00       | \$16.30      | 16 × 20         | \$32.75  | \$28.00       | \$24.25      |
| 4 × 8           | 2.90     | 2.35          | 5.65         | 9 × 22          | 17.65    | 14.65         | 16.60        | 16 × 22         | 35.40    | 30.20         | 25.55        |
| 4 × 10          | 3.75     | 3.00          | 6.60         | 9 × 24          | 19.25    | 16.10         | 17.90        | 16 × 24         | 38.65    | 33.00         | 27.60        |
| 4 × 12          | 4.50     | 3.60          | 7.50         | 9 × 26          | 22.10    | 18.60         | 18.90        | 16 × 28         | 45.10    | 37.20         | 29.75        |
| 4 × 15          | 5.60     | 4.35          | 8.95         | 9 × 28          | 25.15    | 21.00         | 21.00        | 16 × 30         | 48.30    | 41.15         | 31.50        |
| 4 × 18          | 6.75     | 5.30          | 9.95         | 9 × 30          | 26.20    | 22.50         | 22.00        | 16 × 32         | 51.00    | 43.40         | 33.35        |
| 4 × 21          | 7.85     | 6.05          | 10.80        | 9 × 32          | 33.90    | 28.40         | 25.50        | 16 × 36         | 57.00    | 48.00         | 35.00        |
| 4 × 24          | 9.00     | 6.95          | 11.50        | 9 × 36          | 38.40    | 32.25         | 27.25        | 18 × 18         | 33.65    | 28.50         | 24.75        |
| 4 × 28          | 10.65    | 8.20          | 13.00        | 10 × 10         | 9.50     | 7.50          | 11.80        | 18 × 20         | 36.00    | 30.50         | 26.20        |
| 4 × 32          | 12.20    | 9.40          | 15.00        | 10 × 12         | 11.00    | 9.15          | 12.80        | 18 × 21         | 39.30    | 33.70         | 27.65        |
| 5 × 8           | 3.55     | 2.80          | 6.15         | 10 × 14         | 12.65    | 10.55         | 13.60        | 18 × 24         | 44.95    | 37.00         | 29.50        |
| 5 × 9           | 4.00     | 3.20          | 6.65         | 10 × 15         | 13.50    | 11.60         | 14.00        | 18 × 27         | 50.20    | 42.90         | 32.50        |
| 5 × 10          | 4.45     | 3.50          | 7.15         | 10 × 16         | 14.45    | 12.45         | 14.50        | 18 × 30         | 56.15    | 47.75         | 34.75        |
| 5 × 12          | 5.35     | 4.25          | 8.20         | 10 × 18         | 16.10    | 14.00         | 16.30        | 18 × 36         | 67.35    | 57.75         | 38.30        |
| 5 × 14          | 6.20     | 4.95          | 9.20         | 10 × 20         | 18.00    | 15.60         | 17.70        | 20 × 20         | 43.90    | 36.75         | 29.00        |
| 5 × 16          | 7.15     | 5.65          | 10.05        | 10 × 22         | 20.50    | 17.30         | 18.00        | 20 × 22         | 48.30    | 41.15         | 31.50        |
| 5 × 18          | 8.00     | 6.25          | 10.95        | 10 × 24         | 21.70    | 18.25         | 18.70        | 20 × 24         | 51.50    | 44.00         | 33.50        |
| 6 × 6           | 3.60     | 2.90          | 6.25         | 10 × 30         | 29.00    | 24.80         | 23.50        | 20 × 26         | 55.75    | 47.00         | 34.65        |
| 6 × 8           | 4.10     | 3.30          | 6.70         | 10 × 36         | 39.40    | 33.25         | 27.75        | 20 × 28         | 60.00    | 49.75         | 36.00        |
| 6 × 9           | 4.60     | 3.70          | 7.55         | 10 × 40         | 45.50    | 37.40         | 29.85        | 20 × 30         | 64.35    | 55.10         | 37.00        |
| 6 × 10          | 5.10     | 4.05          | 8.10         | 10½ × 16½       | 16.10    | 14.00         | 16.30        | 20 × 32         | 68.65    | 58.00         | 39.00        |
| 6 × 12          | 6.15     | 4.90          | 9.15         | 11 × 17         | 17.15    | 14.45         | 16.50        | 20 × 36         | 77.20    | 66.15         | 50.00        |
| 6 × 14          | 7.15     | 5.65          | 10.05        | 11 × 18         | 19.00    | 16.00         | 17.80        | 21 × 21         | 48.30    | 41.15         | 31.50        |
| 6 × 16          | 8.20     | 6.50          | 11.00        | 11 × 20         | 20.80    | 17.40         | 18.10        | 21 × 25         | 57.00    | 48.00         | 35.00        |
| 6 × 18          | 9.30     | 7.35          | 11.75        | 12 × 12         | 13.75    | 11.45         | 14.15        | 21 × 29         | 66.35    | 56.75         | 37.30        |
| 6 × 20          | 10.25    | 8.15          | 12.50        | 12 × 14         | 16.10    | 14.00         | 16.30        | 22 × 22         | 52.70    | 45.00         | 34.50        |
| 6 × 22          | 12.00    | 9.50          | 13.45        | 12 × 15         | 16.80    | 14.25         | 16.40        | 22 × 24         | 57.00    | 48.00         | 35.00        |
| 6 × 24          | 14.00    | 12.00         | 14.40        | 12 × 16         | 18.00    | 15.60         | 17.70        | 22 × 26         | 62.70    | 50.00         | 36.50        |
| 6 × 28          | 16.75    | 14.20         | 16.35        | 12 × 17         | 19.10    | 16.05         | 17.85        | 22 × 28         | 67.10    | 57.50         | 38.00        |
| 6 × 30          | 19.00    | 16.00         | 17.80        | 12 × 18         | 20.50    | 17.30         | 18.00        | 22 × 30         | 71.90    | 61.70         | 43.10        |
| 6 × 32          | 22.00    | 18.50         | 18.80        | 12 × 19         | 21.35    | 18.10         | 18.25        | 22 × 32         | 76.65    | 66.00         | 49.25        |
| 6 × 36          | 33.00    | 30.00         | 30.50        | 12 × 20         | 22.40    | 19.00         | 19.10        | 22 × 36         | 86.25    | 75.00         | 57.00        |
| 7 × 7           | 4.25     | 3.40          | 6.75         | 12 × 22         | 25.75    | 20.00         | 20.50        | 22 × 38         | 91.00    | 78.00         | 60.00        |
| 7 × 10          | 6.05     | 4.85          | 9.10         | 12 × 24         | 26.95    | 22.80         | 22.15        | 22 × 42         | 105.00   | 86.40         | 65.00        |
| 7 × 12          | 7.35     | 6.00          | 10.20        | 12 × 26         | 30.15    | 27.80         | 23.00        | 24 × 24         | 66.35    | 56.75         | 37.30        |
| 7 × 14          | 8.50     | 6.85          | 11.05        | 12 × 28         | 32.65    | 28.30         | 24.50        | 24 × 27         | 74.00    | 64.00         | 47.50        |
| 7 × 15          | 9.10     | 7.30          | 11.65        | 12 × 30         | 33.65    | 28.50         | 24.75        | 24 × 30         | 82.00    | 70.00         | 54.00        |
| 8 × 8           | 5.60     | 4.35          | 8.95         | 12 × 32         | 35.90    | 30.40         | 25.95        | 24 × 32         | 86.25    | 75.00         | 57.00        |
| 8 × 10          | 7.00     | 5.55          | 10.00        | 12 × 36         | 40.40    | 34.25         | 28.25        | 24 × 36         | 98.40    | 85.10         | 64.00        |
| 8 × 12          | 8.60     | 6.90          | 11.10        | 12 × 40         | 45.50    | 37.40         | 29.85        | 24 × 45         | 123.00   | 106.00        | 80.00        |
| 8 × 13          | 9.10     | 7.30          | 11.65        | 12 × 48         | 71.00    | 59.00         | 41.00        | 27 × 27         | 86.25    | 75.00         | 57.00        |
| 8 × 14          | 9.80     | 8.10          | 12.10        | 14 × 14         | 19.00    | 16.00         | 17.80        | 27 × 38         | 121.90   | 104.50        | 78.00        |
| 8 × 15          | 10.60    | 8.65          | 12.65        | 14 × 15         | 20.35    | 17.25         | 17.95        | 28 × 28         | 93.15    | 80.00         | 62.00        |
| 8 × 16          | 11.20    | 9.25          | 12.90        | 14 × 16         | 21.70    | 18.25         | 18.70        | 28 × 30         | 94.30    | 81.00         | 63.00        |
| 8 × 18          | 12.80    | 10.60         | 13.65        | 14 × 18         | 24.50    | 20.50         | 20.50        | 28 × 32         | 106.40   | 92.00         | 69.00        |
| 8 × 20          | 14.00    | 12.00         | 14.40        | 14 × 20         | 27.10    | 23.10         | 22.50        | 28 × 36         | 119.75   | 102.00        | 76.00        |
| 8 × 21          | 15.00    | 13.80         | 16.15        | 14 × 22         | 29.85    | 25.45         | 23.60        | 30 × 30         | 111.35   | 97.00         | 74.00        |
| 8 × 24          | 18.00    | 15.60         | 17.70        | 14 × 24         | 32.50    | 27.50         | 23.65        | 30 × 36         | 128.15   | 110.00        | 83.00        |
| 8 × 27          | 20.50    | 17.30         | 18.00        | 14 × 30         | 46.35    | 39.90         | 31.50        | 30 × 42         | 156.00   | 135.15        | 110.00       |
| 8 × 30          | 22.25    | 18.65         | 19.00        | 14 × 36         | 57.00    | 48.00         | 35.00        | 30 × 48         | 178.20   | 155.00        | 125.00       |
| 8 × 32          | 29.00    | 24.80         | 25.00        | 14 × 40         | 64.00    | 55.00         | 40.00        | 36 × 36         | 156.00   | 135.15        | 110.00       |
| 8 × 36          | 35.90    | 30.00         | 27.00        | 14 × 48         | 71.00    | 59.00         | 42.00        | 36 × 40         | 178.20   | 155.00        | 125.00       |
| 9 × 9           | 7.20     | 5.95          | 10.10        | 15 × 15         | 21.70    | 18.25         | 18.70        | 36 × 42         | 184.00   | 160.00        | 130.00       |
| 9 × 12          | 9.60     | 8.00          | 12.00        | 15 × 21         | 32.75    | 28.00         | 24.25        | 36 × 48         | 207.40   | 178.00        | 167.00       |
| 9 × 13          | 10.45    | 8.60          | 12.60        | 15 × 25         | 36.90    | 31.50         | 27.00        | 38 × 38         | 178.20   | 155.00        | 125.00       |
| 9 × 14          | 11.20    | 9.25          | 12.90        | 15 × 30         | 46.35    | 39.90         | 31.00        | 38 × 40         | 184.00   | 160.00        | 130.00       |
| 9 × 15          | 12.05    | 10.00         | 13.50        | 15 × 34         | 50.20    | 42.90         | 32.50        | 38 × 42         | 192.50   | 165.00        | 135.00       |
| 9 × 16          | 12.80    | 10.60         | 13.65        | 16 × 16         | 25.15    | 21.00         | 21.00        |                 |          |               |              |
| 9 × 18          | 14.45    | 12.45         | 14.50        | 16 × 18         | 29.00    | 24.80         | 23.50        |                 |          |               |              |

If for use in FLOOR it should be so stated in ordering, when strengthening bars will be added.

We make a specialty of registers finished in any desired color to match hardware, woodwork, or decoration.

FOR DESIGNS and list of sizes made in each, see pages 4, 5, and 6.



## CIRCULAR TOP REGISTERS

## REGISTERS

| Size of Opening | Japanned Black | Japanned White | Bronzed Gold, Copper or Bronze Finish also Nickel Plated | Electro-plated Brass, Bronze or Copper | White Porcelain |
|-----------------|----------------|----------------|--|--|-----------------|
| 7×10            | \$1.90         | \$2.30         | \$3.30   | \$4.00                                 | \$6.60          |
| 8×12            | 2.35           | 2.80           | 4.00   | 4.75                                   | 8.30            |
| 9×12            | 3.50           | 4.20           | 5.50   | 6.60                                   | 9.70            |
| 10×12           | 2.65           | 3.15           | 4.75   | 5.75                                   | 9.10            |
| 10×14           | 4.10           | 4.90           | 6.00   | 7.25                                   | 11.50           |
| 11×16           | 6.35           | 7.60           | 9.00   | 11.50                                  | 15.30           |
| 12×18           | 8.00           | 9.40           | 10.50  | 14.00                                  | 17.70           |
| High Wide       |                |                |  |  |                 |
| 11×13           | 6.00           | 7.00           | 8.50   | 10.50                                  | 13.00           |
| 13×15           | 8.50           | 10.20          | 12.00  | 13.50                                  | 16.20           |

## WALL BORDERS

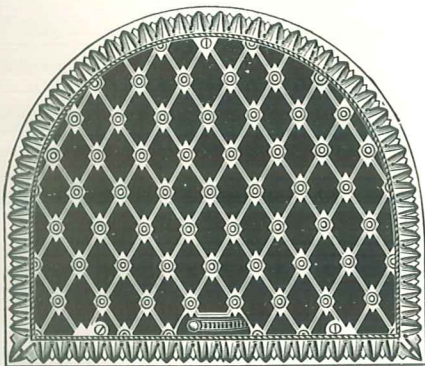
| Size of Opening | Japanned Black | Japanned White | Bronzed Gold, Copper or Bronze Finish Nickel Plated | Electro-plated Bronze, Brass or Copper |
|-----------------|----------------|----------------|---|--|
| 7×10            | \$1.60         | \$2.00         | \$2.20  | \$2.90                                 |
| 8×12            | 2.00           | 2.50           | 2.60  | 3.50                                   |
| 9×12            | 2.20           | 2.75           | 2.80  | 3.90                                   |
| 10×14           | 2.60           | 3.25           | 3.40  | 4.60                                   |



## IDEAL DESIGN

Made in the following sizes:

7×10 8×12 9×12 10×14



## DIAMOND LATTICE

Made in sizes

11×13 and 13×15



## CARVED DESIGN, with Wall Border

Made in the following sizes:

7×10 8×12 9×12 10×14

For design and list of sizes made in Circular Top Convex Registers, see pages 20, 21

## ROUND REGISTERS, FACES, AND BORDERS

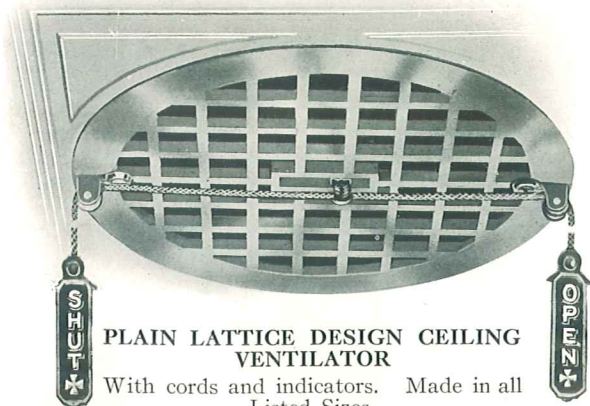
## SLIDE-CENTER MOVEMENT

This cut shows ceiling ventilator made by attaching fixtures to round plain lattice design register.

Side wall or ceiling fixtures can be attached to any design of round register.

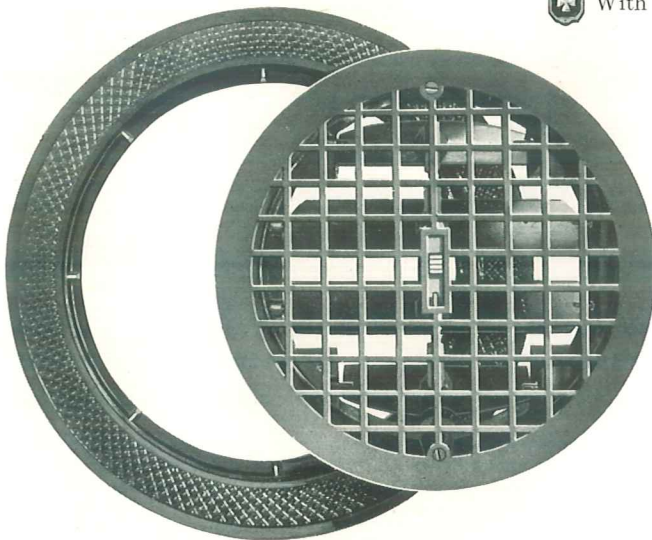
For list price of ventilator add 50 cents list to register list on sizes up to 14 inches, and \$1.00 list on 14-inch and all sizes above.

For prices on indicators, cord, etc., see page 8.



PLAIN LATTICE DESIGN CEILING VENTILATOR

With cords and indicators. Made in all Listed Sizes.



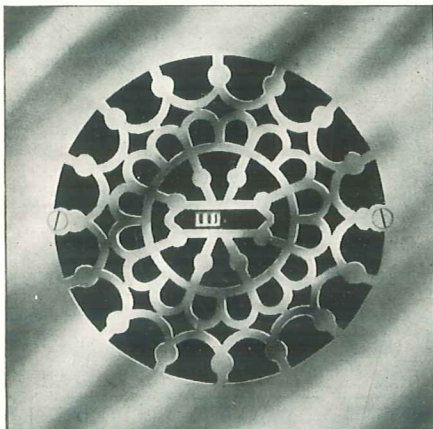
ROUND REGISTER WITH FLOOR BORDER



HUB PATTERN

Made in sizes

|       |       |        |        |
|-------|-------|--------|--------|
| 6 in. | 8 in. | 10 in. | 14 in. |
| 7 in. | 9 in. | 12 in. | 16 in. |



PLAIN LATTICE REGISTER AND BORDER

Made in sizes

|       |        |        |        |        |
|-------|--------|--------|--------|--------|
| 5 in. | 8 in.  | 12 in. | 18 in. | 28 in. |
| 6 in. | 9 in.  | 14 in. | 20 in. | 30 in. |
| 7 in. | 10 in. | 16 in. | 24 in. | 36 in. |

ROUND REGISTERS WITH SQUARE FACE

| Size of Opening | Japanned Black | Japanned White |
|-----------------|----------------|----------------|
| 7 in.           | \$2.00         | \$2.40         |
| 8 in.           | 2.50           | 3.00           |
| 9 in.           | 3.10           | 3.70           |
| 10 in.          | 3.70           | 4.50           |
| 12 in.          | 5.30           | 6.35           |



## ROUND REGISTERS, FACES, AND BORDERS

## REGISTERS

| Size of Opening | Japanned Black | Japanned White | Bronzed to imitate Gold, Silver, Copper, or Bronze Metal | ELECTROPLATED |                          | White Porcelain | Brass or Bronze Metal |
|-----------------|----------------|----------------|--|---------------|--------------------------|-----------------|-----------------------|
|                 |                |                |  | Nickel        | Brass, Bronze, or Copper |                 |                       |
| 5 in.           | \$1.30         | \$1.60         | \$2.50   | \$2.50        | \$2.75                   | \$3.25          | \$3.50                |
| 6 "             | 1.50           | 1.80           | 2.70   | 2.70          | 3.00                     | 3.40            | 3.60                  |
| 7 "             | 1.55           | 1.90           | 2.90   | 2.90          | 3.50                     | 4.40            | 4.60                  |
| 8 "             | 1.60           | 1.95           | 3.00   | 3.00          | 3.70                     | 5.50            | 5.60                  |
| 9 "             | 2.00           | 2.40           | 3.90   | 3.90          | 4.90                     | 6.90            | 7.20                  |
| 10 "            | 2.35           | 2.85           | 4.35   | 4.35          | 5.35                     | 8.20            | 9.50                  |
| 12 "            | 4.00           | 4.80           | 6.35   | 6.35          | 7.90                     | 11.80           | 13.75                 |
| 14 "            | 7.90           | 9.45           | 11.00  | 11.00         | 14.30                    | 16.20           | 19.00                 |
| 16 "            | 11.00          | 12.20          | 15.00  | 15.00         | 19.75                    | 21.20           | 25.15                 |
| 18 "            | 18.50          | 20.35          | 23.75  | 23.75         | 26.00                    | 26.60           | 33.65                 |
| 20 "            | 19.75          | 21.75          | 24.75  | 24.75         | 32.40                    | 32.50           | 43.90                 |
| 24 "            | 30.00          | 33.00          | 40.00  | 40.00         | 49.00                    | 49.00           | 66.35                 |
| 28 "            | 44.00          | 48.40          | 57.50  | 57.50         | 72.00                    | 72.00           | 93.15                 |
| 30 "            | 49.00          | 53.90          | 65.00  | 65.00         | 85.00                    | 85.00           | 111.35                |
| 36 "            | 80.00          | 88.00          | 105.00   | 105.00        | 127.00                   | 127.00          | 156.00                |

## ROUND FACES ONLY

| Size of Opening | Japanned Black | Japanned White | Bronzed Gold, Copper, or Bronze Finish | ELECTROPLATED |                          | White Porcelain Enamel | Brass or Bronze Metal |
|-----------------|----------------|----------------|--|---------------|--------------------------|------------------------|-----------------------|
|                 |                |                |  | Nickel        | Brass, Bronze, or Copper |                        |                       |
| 5 in.           | \$ .85         | \$1.10         | \$1.90                                 | \$1.90        | \$2.20                   | \$1.95                 | \$2.80                |
| 6 "             | .90            | 1.20           | 2.10                                   | 2.10          | 2.40                     | 2.05                   | 3.05                  |
| 7 "             | 1.00           | 1.35           | 2.35                                   | 2.35          | 2.95                     | 3.90                   | 4.00                  |
| 8 "             | 1.05           | 1.40           | 2.45                                   | 2.45          | 3.15                     | 4.85                   | 5.00                  |
| 9 "             | 1.40           | 1.80           | 3.30                                   | 3.30          | 4.30                     | 5.90                   | 6.10                  |
| 10 "            | 1.65           | 2.15           | 3.65                                   | 3.65          | 4.65                     | 7.30                   | 7.50                  |
| 12 "            | 2.70           | 3.50           | 5.05                                   | 5.05          | 6.60                     | 10.60                  | 11.45                 |
| 14 "            | 4.05           | 5.60           | 7.15                                   | 7.15          | 9.60                     | 14.60                  | 16.00                 |
| 16 "            | 5.10           | 6.20           | 9.10                                   | 9.10          | 12.80                    | 19.05                  | 21.00                 |
| 18 "            | 7.20           | 9.05           | 12.45                                  | 12.45         | 16.50                    | 23.95                  | 28.50                 |
| 20 "            | 8.00           | 10.00          | 13.00                                  | 13.00         | 21.20                    | 29.25                  | 36.75                 |
| 24 "            | 12.00          | 15.00          | 22.00                                  | 22.00         | 32.50                    | 32.50                  | 56.75                 |
| 28 "            | 19.00          | 23.40          | 32.50                                  | 32.50         | 49.00                    | 49.00                  | 80.00                 |
| 30 "            | 21.50          | 26.40          | 37.00                                  | 37.00         | 56.00                    | 56.00                  | 97.00                 |
| 36 "            | 35.00          | 43.00          | 60.00                                  | 60.00         | 83.00                    | 83.00                  | 135.15                |

## ROUND FLOOR BORDERS

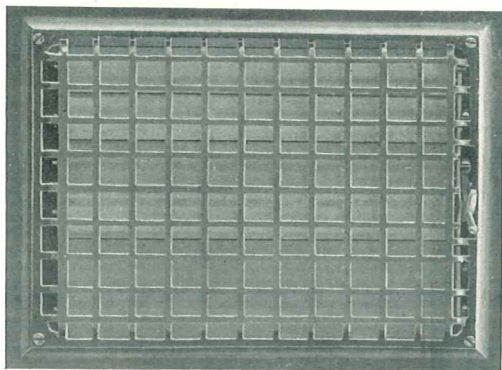
| Size of Opening | Japanned Black | Japanned White | Bronzed Gold, Copper, or Bronze Finish | ELECTROPLATED |                          | White Porcelain Enamel | Brass or Bronze Metal |
|-----------------|----------------|----------------|--|---------------|--------------------------|------------------------|-----------------------|
|                 |                |                |  | Nickel        | Brass, Bronze, or Copper |                        |                       |
| 5 in.           | \$1.10         | \$1.25         | \$2.25                                 | \$2.25        | \$2.85                   | \$2.80                 | \$6.00                |
| 6 "             | 1.15           | 1.35           | 2.35                                   | 2.35          | 2.95                     | 3.05                   | 6.25                  |
| 7 "             | 1.20           | 1.50           | 2.55                                   | 2.55          | 3.55                     | 4.30                   | 6.75                  |
| 8 "             | 1.20           | 1.50           | 2.60                                   | 2.60          | 3.65                     | 4.95                   | 8.95                  |
| 9 "             | 1.60           | 1.80           | 3.50                                   | 3.50          | 4.75                     | 6.20                   | 10.10                 |
| 10 "            | 1.70           | 2.15           | 3.70                                   | 3.70          | 5.20                     | 7.40                   | 11.80                 |
| 12 "            | 2.70           | 3.50           | 5.05                                   | 5.05          | 7.10                     | 10.60                  | 14.15                 |
| 14 "            | 4.05           | 5.60           | 7.15                                   | 7.15          | 10.00                    | 14.60                  | 17.80                 |
| 16 "            | 5.10           | 6.20           | 9.10                                   | 9.10          | 12.50                    | 19.05                  | 21.00                 |
| 18 "            | 7.20           | 9.05           | 12.45                                  | 12.45         | 15.00                    | 23.95                  | 24.75                 |
| 20 "            | 8.00           | 10.00          | 13.00                                  | 13.00         | 18.10                    | 28.25                  | 29.00                 |
| 24 "            | 12.00          | 15.00          | 22.00                                  | 22.00         | 26.00                    | 32.50                  | 37.30                 |
| 28 "            | 19.00          | 23.40          | 31.00                                  | 31.00         | 36.40                    | 49.00                  | 62.00                 |
| 30 "            | 21.50          | 26.40          | 34.00                                  | 34.00         | 41.00                    | 56.00                  | 74.00                 |
| 36 "            | 29.50          | 43.00          | 54.50                                  | 54.50         | 66.00                    | 83.00                  | 110.00                |

HEAVY ROUND PLAIN LATTICE FACES AND BORDERS  
BLACK JAPANNED

| Size of Opening  | 30 in.  | 33 in.  | 36 in.  | 42 in.  | 48 in.  |
|------------------|---------|---------|---------|---------|---------|
| List Price, Face | \$21.50 | \$28.25 | \$35.00 | \$48.00 | \$60.00 |
| Border           | 21.50   | 25.50   | 29.50   | 37.50   | 45.00   |

VENTILATORS FOR CORDS, 50 cents list extra on all sizes up to 14 inch, and \$1.00 list extra on 14 inch and all sizes above. When ordering Ventilators state whether for Side Wall or Ceiling.

# CONVEX REGISTERS AND VENTILATORS — For Side Wall Only HIGHTON'S PATENTS



PLAIN LATTICE DESIGN, CONVEX

## PLAIN LATTICE, CONVEX

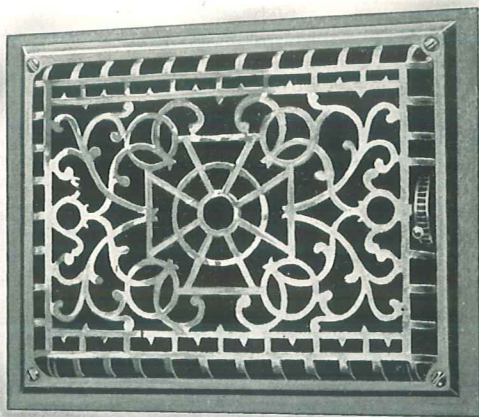
Made in the following sizes:

|      |       |       |
|------|-------|-------|
| 6×8  | 9×9   | 12×16 |
| 6×10 | 9×12  | 12×18 |
| 6×12 | 9×14  | 12×19 |
| 7×7  | 10×10 | 12×20 |
| 7×10 | 10×12 | 12×24 |
| 8×8  | 10×14 | 14×14 |
| 8×10 | 10×16 | 14×16 |
| 8×12 | 12×12 | 14×18 |
| 8×15 | 12×14 | 14×20 |
| 8×18 | 12×15 | 14×22 |

## MALTESE PATTERN, CONVEX

Made in the following sizes:

|      |      |      |       |       |
|------|------|------|-------|-------|
| 6×8  | 8×8  | 8×12 | 9×14  | 10×14 |
| 6×10 | 8×10 | 9×12 | 10×12 | 12×15 |



MALTESE PATTERN, CONVEX

## CARVED DESIGN, CIRCULAR TOP CONVEX

Made in the following sizes:

8×12, 9×12 and 10×14



CARVED DESIGN, CIRCULAR TOP CONVEX



## Convex Registers and Ventilators for Shallow Flues and Thin Partitions

With or without Cast Iron Wall Frames to  
which the Register is attached by Screws

### CONVEX SQUARE, PLAIN LATTICE, AND MALTESE PATTERN

| Size of Opening | Japanned Black | Japanned White | Bronzed to imitate Gold, Copper, or Bronze Metal | ELECTROPLATED |                          | White Porcelain | Brass or Bronze Metal |
|-----------------|----------------|----------------|--|---------------|--------------------------|-----------------|-----------------------|
|                 |                |                |  | Nickel        | Brass, Bronze, or Copper |                 |                       |
| 6 × 8           | \$2.20         | \$2.65         | \$3.45   | \$3.45        | \$4.20                   | \$5.70          | \$5.80                |
| 6 × 10          | 2.30           | 2.95           | 3.70   | 3.70          | 4.45                     | 6.65            | 6.95                  |
| 6 × 12          | 2.65           | 3.20           | 4.30   | 4.30          | 5.55                     | 8.15            | 8.50                  |
| 7 × 7           | 2.25           | 2.75           | 3.70   | 3.70          | 4.50                     | 6.75            | 7.50                  |
| 7 × 10          | 2.35           | 2.85           | 3.85   | 3.85          | 5.00                     | 7.80            | 8.10                  |
| 8 × 8           | 2.35           | 2.85           | 3.80   | 3.80          | 5.00                     | 7.80            | 8.10                  |
| 8 × 10          | 2.40           | 2.90           | 3.90   | 3.90          | 5.10                     | 8.15            | 8.50                  |
| 8 × 12          | 2.70           | 3.25           | 4.45   | 4.45          | 5.75                     | 9.65            | 10.20                 |
| 8 × 15          | 4.50           | 5.40           | 6.70   | 6.70          | 8.60                     | 11.90           | 12.50                 |
| 8 × 18          | 7.25           | 8.70           | 10.00  | 10.00         | 12.00                    | 13.70           | 14.45                 |
| 9 × 9           | 2.90           | 3.50           | 4.80   | 4.80          | 6.40                     | 8.40            | 8.80                  |
| 9 × 12          | 3.00           | 3.60           | 4.90   | 4.90          | 6.60                     | 10.60           | 11.25                 |
| 9 × 14          | 3.90           | 4.70           | 6.10   | 6.10          | 8.10                     | 12.20           | 12.90                 |
| 10 × 10         | 3.45           | 4.15           | 5.45   | 5.45          | 7.15                     | 10.00           | 10.65                 |
| 10 × 12         | 3.75           | 4.50           | 5.75   | 5.75          | 7.60                     | 11.90           | 12.50                 |
| 10 × 14         | 5.00           | 6.00           | 7.10   | 7.10          | 9.40                     | 14.35           | 15.20                 |
| 10 × 16         | 7.25           | 8.70           | 9.60   | 9.60          | 12.45                    | 17.00           | 18.10                 |
| 12 × 12         | 7.10           | 8.55           | 9.45   | 9.45          | 12.50                    | 17.10           | 18.20                 |
| 12 × 14         | 7.40           | 8.90           | 9.90   | 9.90          | 12.80                    | 18.35           | 19.50                 |
| 12 × 15         | 7.50           | 9.00           | 10.00  | 10.00         | 13.00                    | 19.30           | 20.55                 |
| 12 × 16         | 8.75           | 10.50          | 11.40  | 11.40         | 15.00                    | 21.00           | 22.50                 |
| 12 × 18         | 11.20          | 13.25          | 14.50  | 14.50         | 16.75                    | 23.20           | 24.90                 |
| 12 × 19         | 12.50          | 14.50          | 15.90  | 15.90         | 18.25                    | 24.70           | 26.75                 |
| 12 × 20         | 14.50          | 16.50          | 18.00  | 18.00         | 21.90                    | 27.80           | 29.80                 |
| 12 × 24         | 17.50          | 20.00          | 22.00  | 22.00         | 27.75                    | 32.40           | 34.65                 |
| 14 × 14         | 14.00          | 16.00          | 17.50  | 17.50         | 20.00                    | 22.00           | 23.90                 |
| 14 × 16         | 15.00          | 17.00          | 18.60  | 18.60         | 22.00                    | 24.00           | 26.20                 |
| 14 × 18         | 16.00          | 18.25          | 20.00  | 20.00         | 24.25                    | 25.85           | 27.85                 |
| 14 × 20         | 17.00          | 19.25          | 21.25  | 21.25         | 25.25                    | 26.50           | 28.50                 |
| 14 × 22         | 18.00          | 20.50          | 22.75  | 22.75         | 28.00                    | 29.00           | 31.10                 |

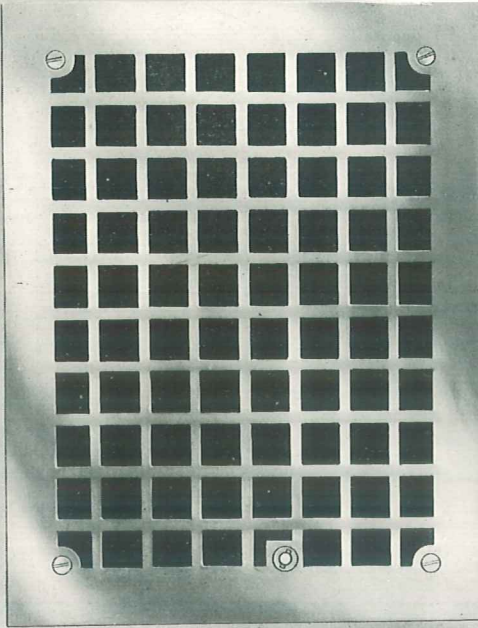
### CIRCULAR TOP CONVEX REGISTERS, CARVED DESIGN

| Size of Opening | Japanned Black | Japanned White | Bronzed Gold, Copper, or Bronze Finish | ELECTROPLATED |                          | Solid Brass or Bronze Metal |
|-----------------|----------------|----------------|--|---------------|--------------------------|-----------------------------|
|                 |                |                |  | Nickel        | Brass, Bronze, or Copper |                             |
| 8 × 12          | \$2.95         | \$3.50         | \$4.65                                 | \$4.65        | \$6.00                   | \$10.20                     |
| 9 × 12          | 3.30           | 4.00           | 5.20                                   | 5.20          | 7.00                     | 11.25                       |
| 10 × 14         | 5.50           | 6.50           | 7.60                                   | 7.60          | 10.00                    | 15.20                       |

For Price of Cast Iron Wall Frames, see page 22

## LOCK REGISTERS

Lock Registers are made in two types, the Key Operating and the Vertical Wheel Movement with our Patent Locking device.



PLAIN LATTICE DESIGN  
(Key Operating Type)

### MOORISH DESIGN

(Key Operating Type)

Made in the following sizes

|      |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|
| 8×8  | 9×14  | 10×18 | 14×16 | 16×20 | 20×26 |
| 8×10 | 10×12 | 12×12 | 14×18 | 18×24 | 20×30 |
| 8×12 | 10×14 | 12×15 | 14×20 | 20×20 | 24×24 |
| 9×12 | 10×16 | 12×16 | 16×18 | 20×24 | 24×30 |

The "Key Operating" Type Lock Register operates and locks by the use of a key only.

It is made in two designs, the Plain Lattice and Moorish (Asylum) Designs.

The Plain Lattice Design is intended for use where a large flow of air is required with a key operating movement.

The Moorish Design for asylums and prisons, where a close fretwork is required with a key operating movement.

Made in the following sizes:

|      |       |       |       |
|------|-------|-------|-------|
| 6×8  | 9×9   | 12×15 | 16×20 |
| 6×10 | 9×12  | 12×16 | 16×22 |
| 6×12 | 9×14  | 12×17 | 16×24 |
| 6×14 | 9×16  | 12×18 | 16×32 |
| 6×16 | 9×18  | 12×19 | 18×21 |
| 6×18 | 9×20  | 12×20 | 18×24 |
| 6×20 | 10×10 | 12×24 | 18×27 |
| 6×24 | 10×12 | 14×14 | 20×24 |
| 8×8  | 10×14 | 14×16 | 20×26 |
| 8×12 | 10×16 | 14×18 | 20×30 |
| 8×14 | 10×18 | 14×20 | 20×32 |
| 8×16 | 10×20 | 14×22 | 24×24 |
| 8×18 | 12×12 | 16×16 | 24×30 |
| 8×24 | 12×14 | 16×18 |       |

For list prices of Key-Operating and Lock Registers add \$2.00 to list price of Vertical Wheel Register of same size and finish. Pages 9 to 14.

Subject to regular register discount.

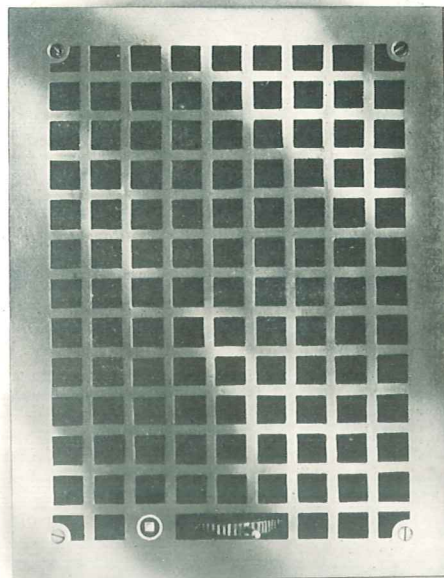
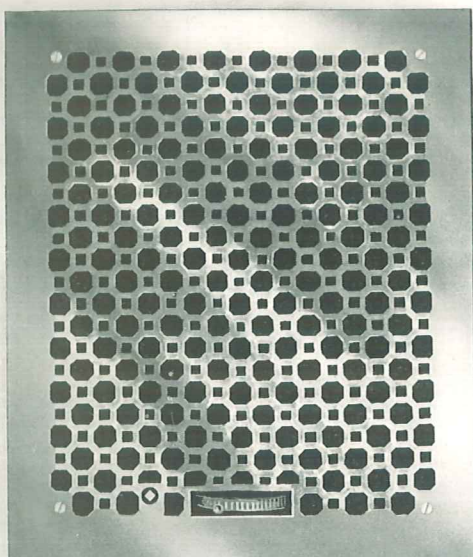


## LOCK REGISTERS — Continued

### Vertical Wheel Movement with Patent Locking Device

When valves are in position desired turn down the screw with the key.

This device for locking the valves in a Register or Ventilator in either an open, half open, or closed position prevents meddlesome or irresponsible persons from tampering with the movement. It is especially adapted for use in Public Buildings, Asylums, Prisons, or other locations where it is desired to have the valves remain in the position in which they are placed. The locking device will not interfere in any manner with the operation of the valves if it is desired to use the Register in the usual manner, as the movement of the Register is entirely separate and independent of the locking screw, which when turned up away from the connecting rod leaves the movement to be operated in the usual manner.



#### PLAIN LATTICE DESIGN

Made in all listed sizes

#### MOORISH DESIGN

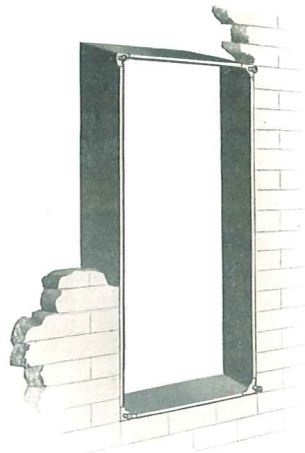
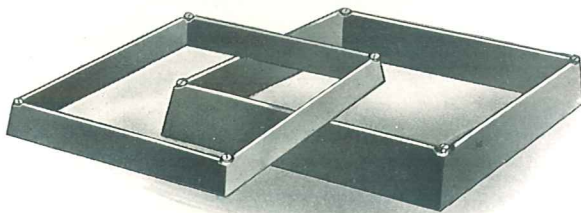
Made in the following sizes:

|         |         |         |
|---------|---------|---------|
| 8 × 8   | 10 × 18 | 16 × 20 |
| 8 × 10  | 12 × 12 | 18 × 24 |
| 8 × 12  | 12 × 15 | 20 × 20 |
| 9 × 12  | 12 × 16 | 20 × 24 |
| 9 × 14  | 14 × 16 | 20 × 26 |
| 10 × 12 | 14 × 18 | 20 × 30 |
| 10 × 14 | 14 × 20 | 24 × 24 |
| 10 × 16 | 16 × 18 | 24 × 30 |

This locking device can be applied when so ordered to any of our Registers having Vertical Wheel movement, of any size or any design of face made by us, Plain Lattice in all sizes, at an additional cost of \$2.00 list for each Register.

For List and Finishes, see pages 9 to 14

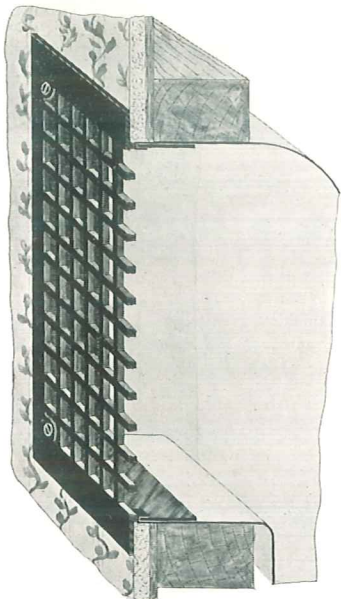
## CAST IRON WALL FRAMES REVERSE BEVELED



MADE 2 IN. AND 4 IN. DEEP

### PRICE LIST

#### U. C. S. S. FRAMES



| For Register | 2 and 4 inches Deep | For Register | 2 and 4 inches Deep | For Register | 2 and 4 inches Deep | For Register | 2 and 4 inches Deep |
|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
| 4½ × 6½      | \$1.30              | 8 × 12       | \$2.40              | 10 × 30      | \$5.00              | 16 × 16      | \$4.40              |
| 4 × 8        | 1.40                | 8 × 13       | 2.50                | 10 × 36      | 6.30                | 16 × 18      | 4.70                |
| 4 × 10       | 1.70                | 8 × 14       | 2.60                | 10 × 40      | 7.20                | 16 × 20      | 5.00                |
| 4 × 12       | 1.90                | 8 × 15       | 2.80                | 10½ × 16½    | 3.50                | 16 × 22      | 5.30                |
| 4 × 15       | 2.30                | 8 × 16       | 2.90                | 11 × 17      | 3.60                | 16 × 24      | 5.50                |
| 4 × 18       | 2.60                | 8 × 18       | 3.10                | 11 × 18      | 3.70                | 16 × 28      | 6.10                |
| 4 × 21       | 3.00                | 8 × 20       | 3.40                | 11 × 20      | 4.00                | 16 × 30      | 6.75                |
| 4 × 24       | 3.40                | 8 × 21       | 3.50                | 12 × 12      | 3.10                | 16 × 32      | 6.70                |
| 5 × 8        | 1.60                | 8 × 24       | 3.80                | 12 × 14      | 3.40                | 16 × 36      | 6.80                |
| 5 × 9        | 1.70                | 8 × 27       | 4.20                | 12 × 15      | 3.50                | 18 × 18      | 5.20                |
| 5 × 10       | 1.80                | 8 × 30       | 4.60                | 12 × 16      | 3.60                | 18 × 20      | 5.50                |
| 5 × 12       | 2.00                | 8 × 32       | 5.80                | 12 × 17      | 3.80                | 18 × 21      | 5.60                |
| 5 × 14       | 2.30                | 8 × 36       | 6.30                | 12 × 18      | 3.90                | 18 × 24      | 6.00                |
| 5 × 16       | 2.50                | 9 × 9        | 2.20                | 12 × 19      | 4.00                | 18 × 27      | 6.40                |
| 5 × 18       | 2.80                | 9 × 12       | 2.60                | 12 × 20      | 4.20                | 18 × 30      | 6.80                |
| 6 × 6        | 1.40                | 9 × 13       | 2.70                | 12 × 22      | 4.70                | 18 × 36      | 7.80                |
| 6 × 8        | 1.70                | 9 × 14       | 2.80                | 12 × 24      | 4.70                | 20 × 20      | 5.90                |
| 6 × 9        | 1.80                | 9 × 15       | 2.90                | 12 × 26      | 5.40                | 20 × 22      | 6.30                |
| 6 × 10       | 1.90                | 9 × 16       | 3.10                | 12 × 28      | 5.45                | 20 × 24      | 6.60                |
| 6 × 12       | 2.20                | 9 × 18       | 3.30                | 12 × 30      | 5.50                | 20 × 26      | 6.90                |
| 6 × 14       | 2.40                | 9 × 20       | 3.50                | 12 × 32      | 5.70                | 20 × 28      | 7.10                |
| 6 × 16       | 2.70                | 9 × 22       | 3.80                | 12 × 36      | 6.30                | 20 × 30      | 7.50                |
| 6 × 18       | 2.90                | 9 × 24       | 4.00                | 12 × 40      | 7.20                | 20 × 32      | 7.70                |
| 6 × 20       | 3.10                | 9 × 26       | 4.30                | 12 × 48      | 9.00                | 20 × 36      | 8.50                |
| 6 × 22       | 3.40                | 9 × 28       | 4.50                | 14 × 14      | 3.80                | 21 × 29      | 7.70                |
| 6 × 24       | 3.60                | 9 × 30       | 4.80                | 14 × 15      | 3.90                | 24 × 24      | 7.20                |
| 6 × 28       | 4.10                | 9 × 32       | 6.00                | 14 × 16      | 4.10                | 24 × 27      | 7.80                |
| 6 × 30       | 4.30                | 9 × 36       | 6.30                | 14 × 18      | 4.30                | 24 × 30      | 8.10                |
| 6 × 32       | 4.60                | 10 × 10      | 2.50                | 14 × 20      | 4.60                | 24 × 32      | 8.60                |
| 6 × 36       | 5.75                | 10 × 12      | 2.80                | 14 × 22      | 4.80                | 24 × 36      | 9.10                |
| 7 × 7        | 1.70                | 10 × 14      | 3.00                | 14 × 24      | 5.00                | 24 × 45      | 10.50               |
| 7 × 10       | 2.10                | 10 × 15      | 3.30                | 14 × 30      | 6.60                | 27 × 27      | 8.10                |
| 7 × 12       | 2.30                | 10 × 16      | 3.30                | 14 × 36      | 7.50                | 27 × 38      | 9.90                |
| 7 × 14       | 2.50                | 10 × 18      | 3.50                | 14 × 40      | 8.50                | 30 × 30      | 9.00                |
| 7 × 15       | 2.60                | 10 × 20      | 3.80                | 15 × 15      | 4.90                | 30 × 36      | 10.00               |
| 8 × 8        | 1.90                | 10 × 22      | 4.20                | 15 × 21      | 5.00                | 36 × 36      | 11.00               |
| 8 × 10       | 2.20                | 10 × 24      | 4.30                | 15 × 25      | 5.50                |              |                     |

#### REVERSE BEVELED WALL FRAMES

A very convenient fixture for holding the Register in the wall; the frame is securely masoned into the wall and the Register is attached by screws. The Register can be removed without disturbing the wall. Adapted for use in asylums, prisons, etc. Made 2 inches and 4 inches deep.

Large size wall frames furnished in sections ready to be bolted together. This prevents breakage in shipment. Above prices cover these frames in that condition.

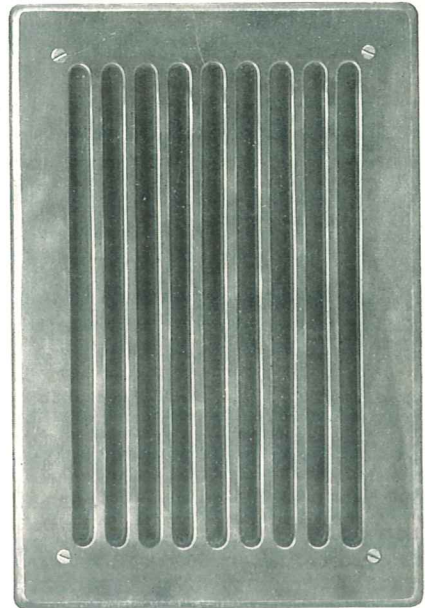
#### U. C. S. S. FRAMES

The most improved method of securing Grilles or Register faces to sheet metal ducts. The frames fit inside the duct same as Register bodies and are attached in a similar manner.

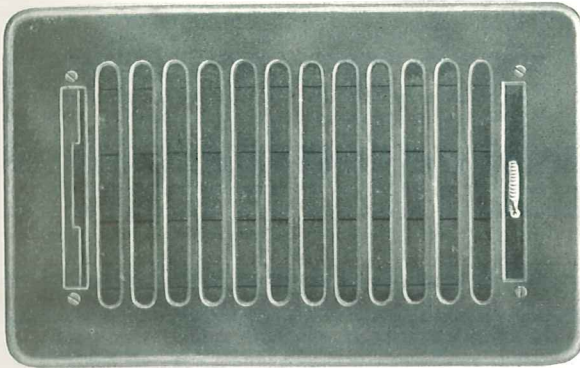


## SANITARY REGISTERS AND GRILLES — For Hospitals, etc.

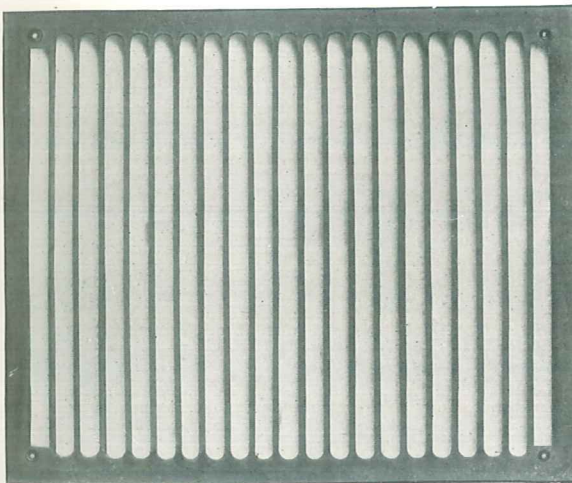
10 x 18



18 x 10



The above cuts show **Sanitary Grilles** as they appear when set in wall in horizontal and vertical positions.



SPECIAL TYPE SANITARY GRILLE

The advanced sanitary conditions now required in all hospital buildings are fully met in this production, and the results of our having placed these Grilles in several hospitals and infirmaries have been the hearty approval of physicians, surgeons, and architects, and a growing demand for these Grilles in hospital work.

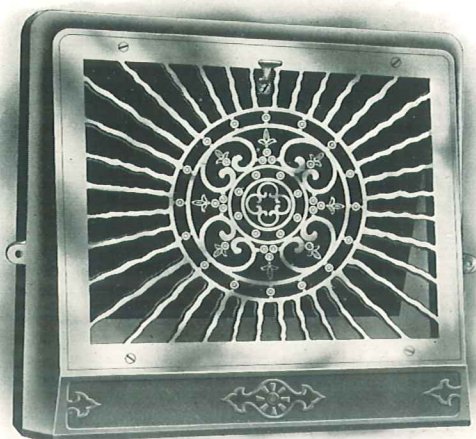
They are so constructed that there are no places for dust, lint, or germs to collect, all parts being of a rounded nature and easily cleaned. A study of the illustrations will show where the objectionable features of the ordinary register for this class of work have been overcome.

When ordering Hospital Registers or Grilles, the *horizontal* dimension should be given first.

Note in illustrations that if the Register or Grille is to be placed in a vertical position, 10 x 18 inches should be given as the required size, and if a Register or Grille of the same size is to be placed in a horizontal position, 18 x 10 inches, would be the correct size to order.

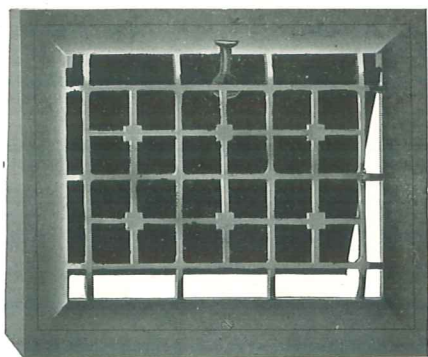
## SIDE WALL REGISTERS

For Use in Baseboards

EQUIPPED WITH OUR KEYSTONE  
MOVEMENTFor Shallow Flues and Thin  
Partitions

"PEERLESS" DESIGN

| Size of Face Opening | For Round Pipe | Black Japanned | White Japanned | Bronzed Gold, Copper or Bronze Finish | Electroplated Nickel, Brass, Bronze or Copper |
|----------------------|----------------|----------------|----------------|---------------------------------------|---|
| 7×10                 | 7 in.          | \$2.25         | \$3.00         | \$4.00                                | \$4.50  |
| 7×12                 | 8 "            | 3.40           | 3.90           | 5.00                                  | 5.50  |
| 8×13                 | 9 "            | 4.25           | 4.85           | 6.15                                  | 6.60  |
| 8×15                 | 10 "           | 5.10           | 5.85           | 7.25                                  | 7.60  |
| 10×12                | 10 "           | 5.10           | 5.85           | 7.25                                  | 7.60  |
| 12×14                | 12 "           | 7.15           | 8.15           | 11.00                                 | 12.00   |



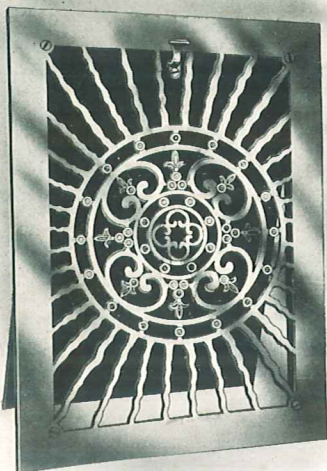
"PRESTO"

| Size of Face Opening | Depth at Floor | Black Japanned | White Japanned | Bronzed Gold, Copper or Bronze Finish | Electroplated Nickel Brass, Bronze or Copper |
|----------------------|----------------|----------------|----------------|---------------------------------------|--|
| 8×10                 | 2 in.          | \$2.00         | \$2.35         | \$3.30                                | \$3.85                                       |
| 8×12                 | 2 "            | 2.40           | 2.90           | 3.85                                  | 4.35   |
| 9×12                 | 2 1/4 "        | 2.50           | 3.00           | 4.00                                  | 4.40   |
| 10×12                | 2 1/4 "        | 3.75           | 4.35           | 5.30                                  | 6.00   |
| 10×14                | 2 1/4 "        | 4.50           | 5.25           | 6.20                                  | 7.50   |
| 12×14                | 3 "            | 6.00           | 7.00           | 8.15                                  | 9.00   |

This Register can be attached to the tin box or stackhead by means of straps, for which slot holes have been provided in the body frame.

The face is convex type, open lattice, and adapted for any finish.





"PEERLESS" DESIGN

## "KEYSTONE" ONE VALVE REGISTER

### Valve Controlled by Compensating Springs

This is the simplest Register made, and is the register for shallow flues, yet the construction allows of it being used in flues the depth of the height of the valve.

The movement is positive, and can be operated by hand or foot.

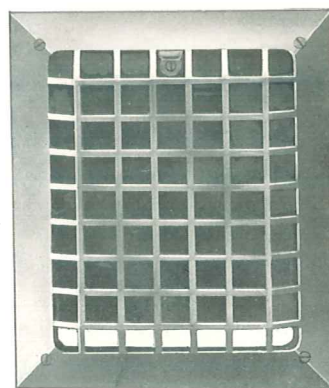
Made in three designs, "Peerless," "Hightone," and "Plain Lattice."

### SIZES ADAPTED FOR USE VERTICALLY AND HORIZONTALLY

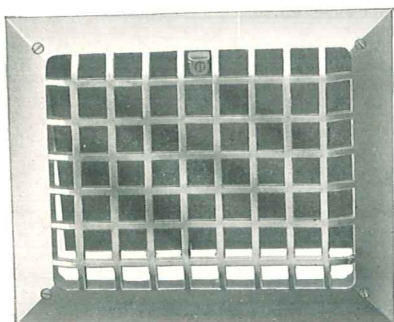
#### PRICE LIST

To be Placed in a Vertical Position

| Size of Opening | Black Japanned | White Japanned | Bronzed to Imitate Gold, Silver, Copper, or Bronze Metal | Electroplated Nickel, Brass, Bronze or Copper |
|-----------------|----------------|----------------|--|---|
| 6×8             | \$1.55         | \$1.85         | \$2.80   | \$2.80  |
| 6×10            | 1.60           | 1.95           | 3.00   | 3.00  |
| 7×10            | 1.65           | 2.00           | 3.10   | 3.10  |
| 8×10            | 1.65           | 2.00           | 3.15   | 3.15  |
| 8×12            | 1.90           | 2.30           | 3.65   | 3.65  |
| 9×12            | 2.10           | 2.55           | 4.00   | 4.00  |
| 10×12           | 2.40           | 2.90           | 4.40   | 4.40  |
| 10×14           | 3.15           | 3.80           | 5.25   | 6.55  |
| 12×14           | 4.35           | 5.25           | 6.85   | 8.25  |
| 12×15           | 4.50           | 5.40           | 7.00   | 8.50  |



PLAIN LATTICE, CONVEX TYPE

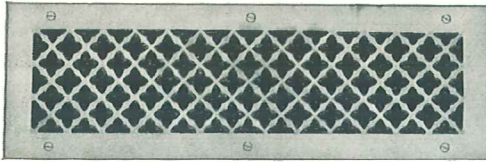


PLAIN LATTICE, CONVEX TYPE

To be Placed in a Horizontal Position

| Size of Opening | Black Japanned | White Japanned | Bronzed to Imitate Gold, Silver, Copper, or Bronze Metal | Electroplated Nickel, Brass, Bronze or Copper |
|-----------------|----------------|----------------|--|---|
| 10×6            | \$1.60         | \$1.95         | \$3.00   | \$3.00  |
| 10×7            | 1.65           | 2.00           | 3.10   | 3.10  |
| 10×8            | 1.65           | 2.00           | 3.15   | 3.15  |
| 12×8            | 1.90           | 2.30           | 3.65   | 3.65  |
| 12×9            | 2.10           | 2.55           | 4.00   | 4.00  |
| 12×10           | 2.40           | 2.90           | 4.40   | 4.40  |
| 14×10           | 3.15           | 3.80           | 5.25   | 6.55  |
| 14×12           | 4.35           | 5.25           | 6.85   | 8.25  |
| 15×12           | 4.50           | 5.40           | 7.00   | 8.50  |

## VENTILATING PLATES



## SQUARE VENTILATING PLATES

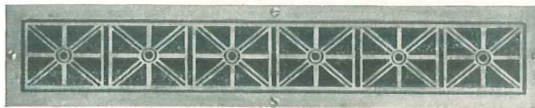
Suitable to be set in the Baseboard as  
Open Ventilators

NEW PATTERN

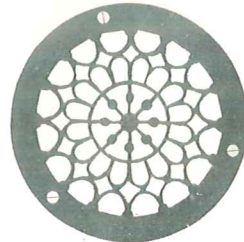
| Size of Opening | Japanned Black | Japanned White | Bronzed Gold, Copper or Bronzed Finish | ELECTRO-PLATED |                         | Size of Opening | Japanned Black | Japanned White | Bronzed Gold, Copper or Bronzed Finish | ELECTRO-PLATED |                         |
|-----------------|----------------|----------------|--|----------------|-------------------------|-----------------|----------------|----------------|--|----------------|-------------------------|
|                 |                |                |  | Nickel         | Brass, Bronze or Copper |                 |                |                |  | Nickel         | Brass, Bronze or Copper |
| 2x4             | \$.25          | \$.30          | \$.30                                  | \$.35          | \$.40                   | 3x20            | \$1.10         | \$1.25         | \$1.60                                 | \$1.95         | \$2.35                  |
| 2x6             | .30            | .35            | .40                                    | .50            | .65                     | 3x24            | 1.35           | 1.50           | 1.95                                   | 2.30           | 2.90                    |
| 2x8             | .40            | .45            | .55                                    | .65            | .80                     | 3x30            | 1.70           | 1.95           | 2.40                                   | 2.80           | 3.55                    |
| 2x9             | .50            | .55            | .60                                    | .75            | .95                     | 3x36            | 1.95           | 2.25           | 2.90                                   | 3.40           | 4.20                    |
| 2x10            | .50            | .60            | .75                                    | .85            | 1.05                    | 4x6             | .50            | .55            | .60                                    | .75            | .95                     |
| 2x12            | .60            | .70            | .85                                    | 1.00           | 1.20                    | 4x8             | .60            | .70            | .85                                    | 1.00           | 1.20                    |
| 2x14            | .75            | .85            | 1.00                                   | 1.20           | 1.45                    | 4x9             | .65            | .75            | 1.00                                   | 1.10           | 1.30                    |
| 2x15            | .75            | .85            | 1.05                                   | 1.25           | 1.50                    | 4x10            | .75            | .85            | 1.10                                   | 1.20           | 1.45                    |
| 2x16            | .80            | .90            | 1.10                                   | 1.35           | 1.60                    | 4x12            | .85            | 1.00           | 1.20                                   | 1.45           | 1.70                    |
| 2x18            | .95            | 1.10           | 1.25                                   | 1.50           | 1.85                    | 4x15            | 1.10           | 1.25           | 1.60                                   | 1.80           | 2.25                    |
| 2x20            | 1.00           | 1.15           | 1.35                                   | 1.70           | 2.25                    | 4x18            | 1.35           | 1.50           | 1.80                                   | 2.20           | 2.60                    |
| 2x22            | 1.10           | 1.25           | 1.45                                   | 1.80           | 2.35                    | 4x20            | 1.45           | 1.65           | 2.05                                   | 2.40           | 2.90                    |
| 2x24            | 1.20           | 1.40           | 1.60                                   | 1.95           | 2.40                    | 4x24            | 1.70           | 1.95           | 2.40                                   | 2.90           | 3.55                    |
| 2x30            | 1.45           | 1.65           | 2.05                                   | 2.40           | 3.00                    | 4x30            | 2.20           | 2.50           | 3.00                                   | 3.60           | 4.45                    |
| 3x6             | .35            | .40            | .50                                    | .60            | .65                     | 5x6             | .70            | 1.00           | 1.20                                   | 1.80           | 2.00                    |
| 3x8             | .50            | .55            | .65                                    | .75            | .95                     | 5x8             | .80            | 1.20           | 1.50                                   | 2.10           | 2.20                    |
| 3x9             | .55            | .65            | .80                                    | .90            | 1.10                    | 5x10            | .95            | 1.30           | 1.60                                   | 2.30           | 2.60                    |
| 3x10            | .55            | .65            | .85                                    | 1.00           | 1.20                    | 5x12            | 1.15           | 1.50           | 1.80                                   | 2.60           | 3.40                    |
| 3x12            | .60            | .70            | 1.00                                   | 1.10           | 1.45                    | 5x15            | 1.65           | 2.35           | 2.85                                   | 3.65           | 4.25                    |
| 3x15            | .85            | 1.00           | 1.20                                   | 1.45           | 1.85                    | 5x18            | 2.10           | 3.15           | 3.75                                   | 4.10           | 5.00                    |
| 3x18            | 1.00           | 1.15           | 1.45                                   | 1.70           | 2.10                    | 5x20            | 2.30           | 3.50           | 4.20                                   | 4.50           | 5.50                    |

## SPECIAL VENTILATING PLATES

Made in any size required Prices upon application



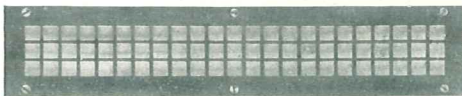
HARVARD PATTERN



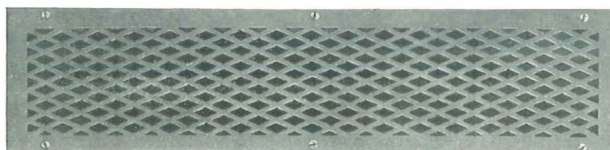
HUB PATTERN



DIAGONAL LATTICE



PLAIN LATTICE

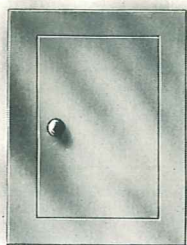


DIAMOND LATTICE

## ROUND VENTILATING PLATES

| Size of Opening | Japanned Black | Japanned White | Bronzed Gold, Copper or Bronzed Finish | ELECTRO-PLATED |                         |
|-----------------|----------------|----------------|--|----------------|-------------------------|
|                 |                |                |  | Nickel         | Brass, Bronze or Copper |
| 3 in.           | \$.20          | \$.25          | \$.30                                  | \$.40          | \$.45                   |
| 3½ "            | .25            | .30            | .35                                    | .50            | .60                     |
| 4 "             | .30            | .35            | .40                                    | .60            | .70                     |
| 4½ "            | .35            | .40            | .50                                    | .75            | .85                     |
| 5 "             | .50            | .60            | .70                                    | .90            | 1.10                    |
| 5½ "            | .60            | .70            | .80                                    | 1.10           | 1.25                    |
| 6 "             | .70            | .80            | .90                                    | 1.25           | 1.50                    |



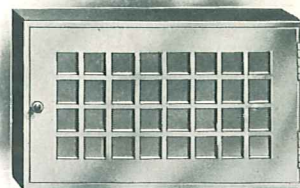


## SPECIALTIES

## DOORS AND FRAMES

To go in wall for access to flues,  
electric switches, etc.

Prices on application



Size of  
Flue Opening

|                                     |
|-------------------------------------|
| $5\frac{5}{8} \times 7\frac{5}{8}$  |
| $5\frac{5}{8} \times 11\frac{5}{8}$ |
| $6 \times 14$                       |
| $8 \times 14$                       |
| $10 \times 12$                      |



## BRICK VENTILATOR

Size of a Brick  $2\frac{1}{4} \times 8$

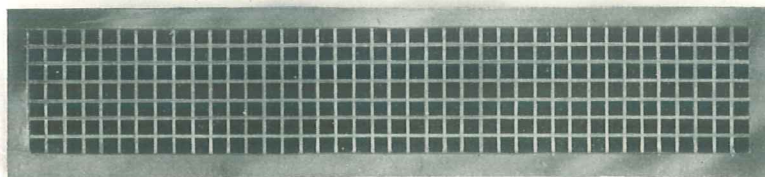
## SPECIAL

Hinged to set vertical or horizontal. Door solid, or open fretwork, made in any size or finish. Prices on application.

## SCREEN FACES AND GRILLES

Made in Cast Iron, Brass, or Bronze Metal, for use in front of Steam Pipes and Radiators

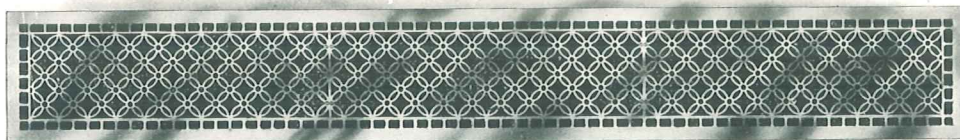
We furnish Grilles and Screen Faces to suit every condition of use. Drilled and countersunk in the flanges, for attaching to flat wood surfaces. With hinges and catch to attach to either wood or iron work. Attached with hinges and catch to outer framework of angle iron. Doors with hinges and catch, or openings, placed where desired, to operate valves, etc. See pages 36 and 37.



## PLAIN LATTICE

For Steel Grilles, see page 38

Wire Grilles on page 39



## ARABESQUE DESIGN

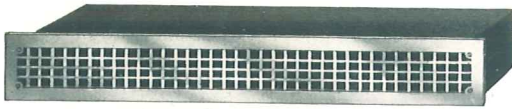
Screen Faces, Plain Lattice or Arabesque Design. In Sections to Make Any Length. For use in Front of Steam Pipes, etc.

|                                     |                |                |                |   |    |    |    |    |    |
|-------------------------------------|----------------|----------------|----------------|---|----|----|----|----|----|
| Width of Opening, in inches.....    | $4\frac{3}{4}$ | $5\frac{3}{4}$ | $6\frac{1}{4}$ | 7 | 8  | 9  | 10 | 11 | 12 |
| Width of Face, extreme, in inches.. | 6              | 7              | 8              | 9 | 10 | 11 | 12 | 13 | 14 |

## CAST IRON — ALL FINISHES

Brass and Bronze Metal

Prices on application



## VENTILATING SPECIALTIES

### COLD AIR INLETS 4 INCHES DEEP

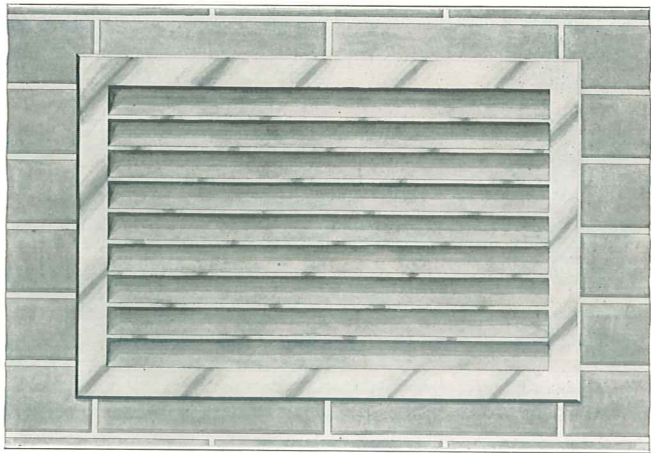
| Size of Opening | Japanned Black | Japanned White | Size of Opening | Japanned Black | Japanned White | Size of Opening | Japanned Black | Japanned White |
|-----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|
| 2×4             | \$1.00         | \$1.10         | 3×6             | \$1.50         | \$1.60         | 4×6             | \$1.60         | \$1.70         |
| 2×6             | 1.25           | 1.35           | 3×9             | 2.10           | 2.30           | 4×9             | 2.20           | 2.40           |
| 2×8             | 1.70           | 1.80           | 3×12            | 2.75           | 2.95           | 4×12            | 3.05           | 3.25           |
| 2×9             | 2.00           | 2.10           | 3×18            | 4.05           | 4.25           | 4×15            | 3.75           | 3.95           |
| 2×12            | 2.60           | 2.80           | 3×20            | 4.45           | 4.65           | 4×18            | 4.45           | 4.65           |
| 2×15            | 3.15           | 3.30           | 3×24            | 5.40           | 5.60           | 4×24            | 5.80           | 6.00           |
| 2×18            | 3.75           | 3.95           | 3×36            | 8.00           | 8.35           | 4×30            | 7.35           | 7.65           |

### HIGHTON SPECIAL SIDE WALL AIR INLET VENTILATORS

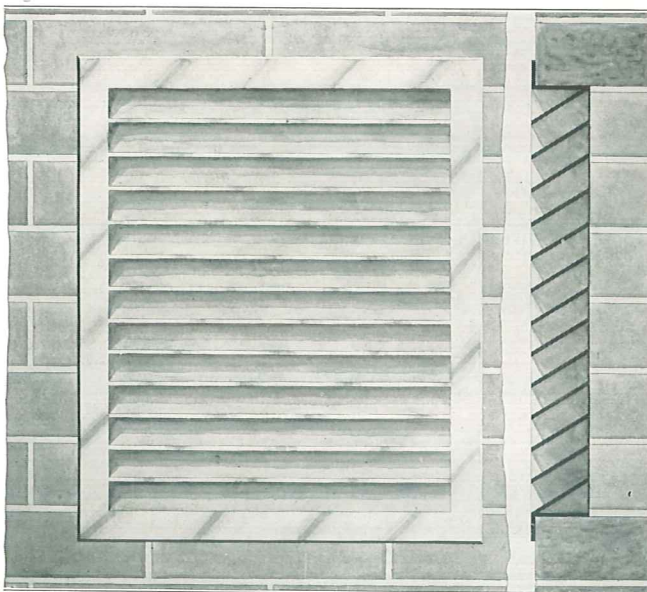
WITH STATIONARY  
LOUVRES FOR USE ON  
OUTSIDE OF BUILDING AS  
A FRESH AIR INLET

EXTRA HEAVY AND  
CONSTRUCTED SO AS TO  
EXCLUDE RAIN OR SNOW

CAST IRON, BRASS, OR  
BRONZE METAL



No. 1 (See Note)



No. 2 (See Note)

MADE IN ANY SIZE AND  
TO ORDER ONLY

WHEN ORDERING GIVE  
HORIZONTAL FIRST AND  
MARK "WIDE" AND "HIGH"  
AFTER THE DIMENSIONS

WRITE FOR FURTHER  
INFORMATION

#### NOTE:

No. 1 cut shows an 18 inch wide,  
10 inch high Inlet Ventilator.

No. 2 cut shows a 12 inch wide,  
18 inch high Inlet Ventilator.



## SPECIALTIES

## SMOKE PIPE REGISTER



## SMOKE PIPE CEILING PLATE



## JAPANNED

| Size of Stove Pipe                                  | 6 in.  | 7 in.  | 8 in.  | 9 in.  |
|---|--------|--------|--------|--------|
| Black Japanned Register<br>(and Cap) . . . . .      | \$1.50 | \$1.70 | \$2.00 | \$2.50 |
| White Japanned Ceiling<br>Plate (and Cap) . . . . . | 1.50   | 1.70   | 2.00   | 2.50   |

ROUND REVOLVING  
REGISTERS

| Size Outside | Register |
|--------------|----------|
| 8 in.        | \$ .75   |
| 10 "         | .90      |
| 12 "         | 1.20     |
| 14 "         | 1.80     |
| 16 "         | 2.40     |

ROUND TWO-VALVE VENTILA-  
TORS

| Size of<br>Opening | JAPANNED |        | BRONZED |
|--------------------|----------|--------|---------|
|                    | Black    | White  |         |
| 5 in.              | \$1.65   | \$1.95 | \$2.80  |
| 6 "                | 2.00     | 2.30   | 3.20    |
| 7 "                | 2.05     | 2.40   | 3.40    |
| 8 "                | 2.15     | 2.50   | 3.50    |

## HOT-AIR GRATES

| Size Outside | Grating |
|--------------|---------|
| 18 in.       | \$6.00  |
| 21 "         | 8.00    |
| 24 "         | 10.00   |
| 28 "         | 14.00   |
| 30 "         | 18.00   |
| 32 "         | 24.00   |



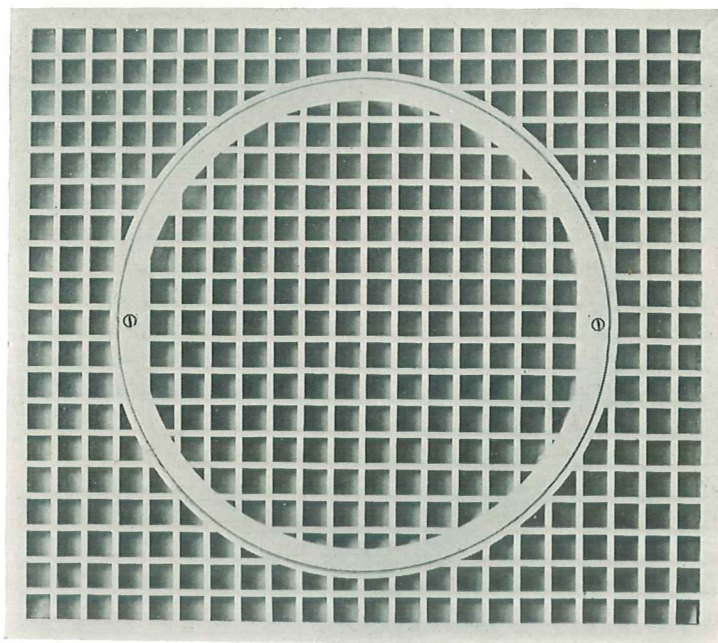
## COTTAGE REGISTER

## REVOLVING TOP For Floor or Side Wall

| Size of<br>Opening | Register<br>Japanned | Top<br>Japanned | Register<br>Bronzed |
|--------------------|----------------------|-----------------|---------------------|
| 8 in.              | \$1.05               | \$ .60          | \$1.60              |
| 10 "               | 1.55                 | .90             | 2.30                |
| 12 "               | 2.55                 | 1.40            | 3.30                |

Very convenient for heating chambers from lower rooms. Can be used in floor or side wall. Has revolving top, allowing ample air space. Made of heavy castings, handsomely finished, with a wide flange to which the tin cylinder may readily be connected.

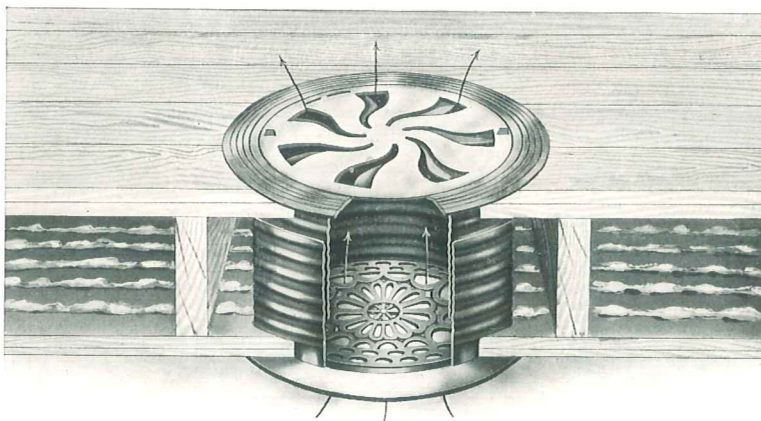
## DUPLEX GRATINGS FOR PIPELESS FURNACES



Made in the following sizes:

| Size of Grating | Extreme Dimensions | Size of Collar | Black Japanned | Oxidized Copper |
|-----------------|--------------------|----------------|----------------|-----------------|
| 22×24           | 23×25              | 16 in.         | \$25.00        | \$30.50         |
| 24×27           | 25×28              | 18 "           | 30.00          | 36.00           |
| 30×30           | 31×31              | 22 "           | 39.00          | 45.00           |
| 30×36           | 31×37              | 24 "           | 43.50          | 52.00           |
| 36×36           | 37×37              | 28 "           | 52.00          | 61.00           |

## THE O. K. FLOOR AND CEILING REGISTER

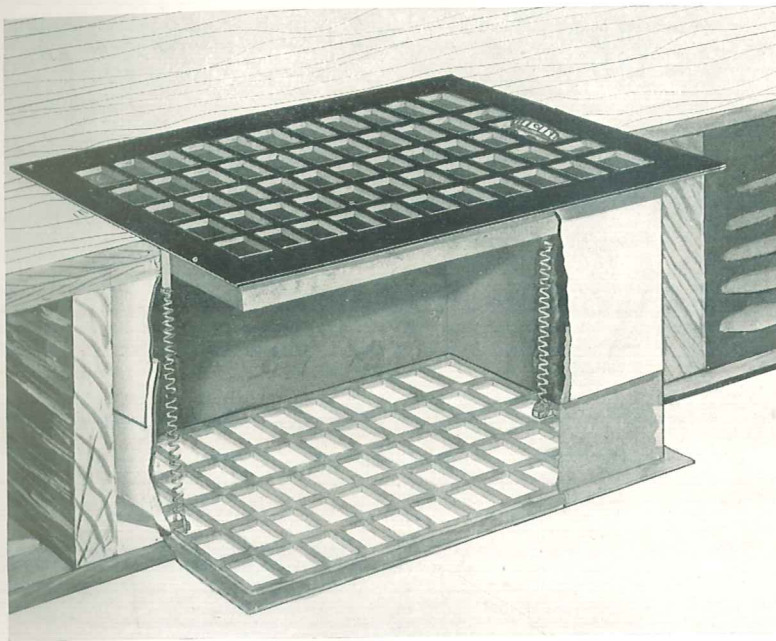


**A Floor Register.** Tin Box and Ceiling Register combined in one, with black japanned register and white japanned ceiling plate. After the hole is made in floor and ceiling, it can be easily put in place. No holes to be drilled; a few turns and it fastens itself securely *and without damage to the plaster.*

| Size of Opening | 9 in.  | 10 in. | 12 in. |
|-----------------|--------|--------|--------|
| List Price      | \$4.00 | \$5.00 | \$7.00 |



## SPECIALTIES

Square Floor and Ceiling Register with Adjustable Tin Box Connecting  
Register with Ceiling Plate

| Size of Opening | List Price |
|-----------------|------------|
| 8×10            | \$4.40     |
| 8×12            | 4.80       |
| 9×12            | 5.40       |
| 10×12           | 6.40       |
| 10×14           | 7.60       |
| 12×14           | 10.00      |
| 14×16           | 17.00      |

A FLOOR REGISTER, Tin Box and Ceiling Register combined in one — with black japanned register and white japanned ceiling plate.

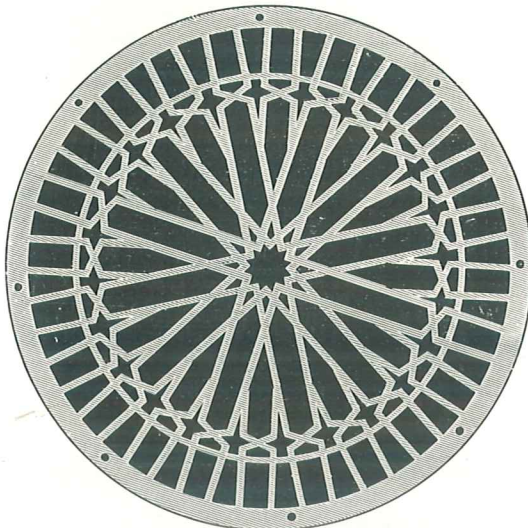
## SLATE BORDERS

| For Register | Slate  | For Register | Slate  | For Register                            | Slate   |
|--------------|--------|--------------|--------|---|---------|
| 6×8          | \$ .90 | 12×14        | \$2.30 | 27×38                                   | \$13.00 |
| 6×9          | .95    | 12×15        | 2.45   | 30×30                                   | 15.00   |
| 6×10         | 1.00   | 12×16        | 2.65   | 6 in.                                   | 1.50    |
| 6×12         | 1.10   | 12×17        | 2.80   | 7 "                                     | 1.60    |
| 6×14         | 1.30   | 12×18        | 3.00   | 8 "                                     | 1.70    |
| 6×18         | 1.70   | 12×19        | 3.20   | 9 "                                     | 1.80    |
| 7×7          | 1.00   | 12×20        | 3.65   | 10 "                                    | 2.00    |
| 7×10         | 1.10   | 12×24        | 4.25   | 12 "                                    | 2.40    |
| 8×8          | 1.05   | 14×14        | 3.30   | 14 "                                    | 3.00    |
| 8×10         | 1.15   | 14×16        | 3.70   | 16 "                                    | 4.00    |
| 8×12         | 1.30   | 14×18        | 4.00   | 18 "                                    | 5.00    |
| 8×15         | 1.75   | 14×20        | 4.50   | 20 "                                    | 6.50    |
| 8×18         | 2.00   | 14×22        | 4.70   | 24 "                                    | 10.00   |
| 9×9          | 1.25   | 15×25        | 7.00   | ROUND GRATING<br>BORDERS<br>2 in. Thick |         |
| 9×12         | 1.65   | 16×16        | 5.00   |   |         |
| 9×13         | 1.70   | 16×20        | 6.25   | 18 in.                                  | \$6.50  |
| 9×14         | 1.75   | 16×24        | 8.12   | 21 "                                    | 7.50    |
| 10×10        | 1.60   | 18×24        | 8.65   | 24 "                                    | 10.50   |
| 10×12        | 1.70   | 20×20        | 8.12   | 28 "                                    | 13.50   |
| 10×14        | 1.85   | 20×24        | 9.00   | 30 "                                    | 17.75   |
| 10×16        | 2.40   | 20×26        | 9.37   | 32 "                                    | 22.00   |
| 10×18        | 2.80   | 21×29        | 10.50  |   |         |
| 10×20        | 3.00   | 24×24        | 11.00  |   |         |
| 12×12        | 2.00   | 27×27        | 11.50  |   |         |

Shipped at buyer's risk only

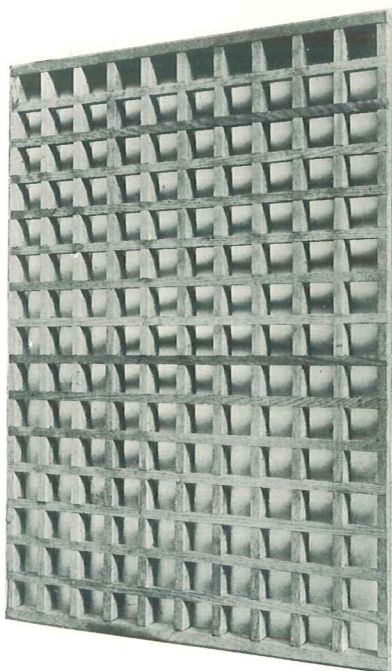
## VENTILATING SPECIALTIES

### ROUND CEILING VENTILATORS WITHOUT VALVES



FOR CHURCHES OR HALLS

| Size of Opening | Japanned | Bronzed | Without Japan |
|-----------------|----------|---------|---------------|
| 24 in.          | \$6.20   | \$11.00 | \$4.25        |
| 30 "            | 10.50    | 17.50   | 8.25          |
| 36 "            | 15.25    | 27.00   | 12.25         |
| 42 "            | 21.25    | 30.00   | 17.25         |
| 48 "            | 26.00    | 36.00   | 21.00         |

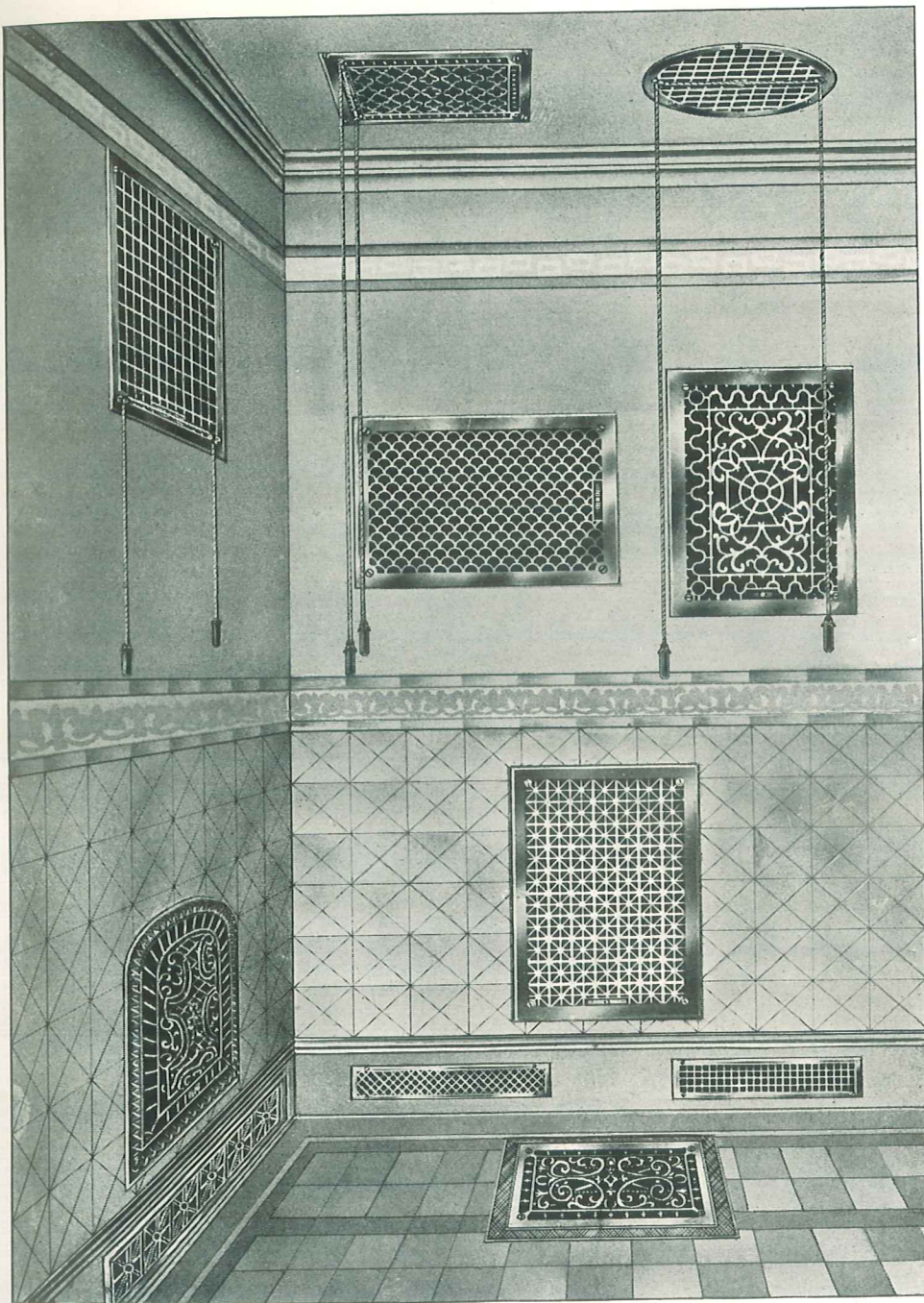


### WOOD FACES

Extreme Size (Approximate)

|       |        |       |        |
|-------|--------|-------|--------|
| 6×30  | \$1.25 | 18×40 | \$5.00 |
| 6×36  | 1.50   | 18×48 | 6.00   |
| 6×40  | 1.67   | 20×24 | 3.33   |
| 12×18 | 1.50   | 20×26 | 3.61   |
| 12×24 | 2.00   | 20×28 | 3.88   |
| 12×30 | 2.50   | 20×30 | 4.17   |
| 12×48 | 4.00   | 20×36 | 5.00   |
| 14×20 | 1.95   | 22×24 | 3.67   |
| 14×22 | 2.13   | 22×26 | 3.98   |
| 14×24 | 2.33   | 22×28 | 4.29   |
| 14×30 | 2.92   | 22×30 | 4.60   |
| 14×40 | 3.89   | 24×24 | 4.00   |
| 14×60 | 5.83   | 24×30 | 5.00   |
| 16×20 | 2.22   | 24×36 | 6.00   |
| 16×24 | 2.67   | 24×48 | 8.50   |
| 16×28 | 3.12   | 24×60 | 10.50  |
| 16×30 | 3.34   | 26×30 | 5.42   |
| 18×24 | 3.00   | 28×30 | 5.84   |
| 18×30 | 3.75   | 30×30 | 6.25   |
| 18×36 | 4.50   | 30×36 | 7.50   |





SHOWING SOME OF THE POSITIONS IN WHICH REGISTERS AND VENTILATORS ARE USED

## VENTILATING SPECIALTIES



## HIGHTON CHAIN PLATES

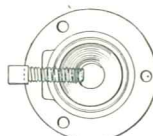
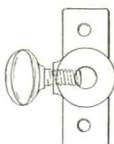
ALSO

"For Warm Air Pull Chain"

and Small Plates Without Lettering

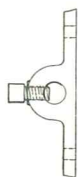
HIGHTON  
COMBINATION  
PULLEYHIGHTON  
ANGLE  
CHAIN  
PLATEHIGHTON  
INDICATOR  
HANDLES

To make a Heating and Ventilating  
System Complete, use Highton  
Ventilating Specialties

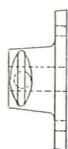
HIGHTON  
DAMPER

ROD

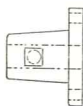
HOLDERS



1



2



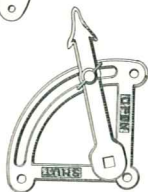
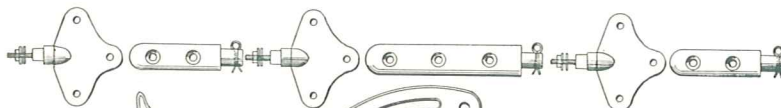
3



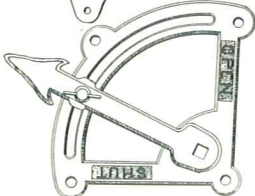
4



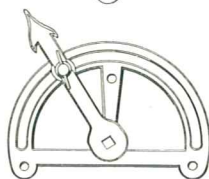
5



No. 1



No. 2



No. 3

HIGHTON  
DAMPER  
QUADRANTS

Malleable Iron

No Clips Required

THE ARROW SHOWS THE POSITION OF DAMPER



## GRILLES AND SCREENS

On the following pages are shown Grilles and Screens of various materials and designs.

Unless otherwise ordered, we assume that sizes called for are opening sizes. The widths of the rims or flanges vary according to the size of the grille, the thickness of the rim being less than in the fretwork.

Any of our stock designs of Register Faces, as shown on pages 4, 5, and 6, may be used as grilles when the wheel slot and corner screw holes are removed, making the design continuous. Stock designs desired in this condition should be ordered as "clear mesh." When made in this manner they cannot be used with register body and louvres.

Grilles are sold at the same price as Register Faces of the same size and finish.

Prices on other sizes or designs will be quoted promptly upon application.

All goods that are to be painted after being placed in position are given a priming coat of dull white.

We Electroplate grilles to match any standard or special finish.

Solid Brass or Bronze Grilles are carefully filed and finished by hand, and furnished in natural or special finishes.

Wrought Steel Grilles are shown on page 38.

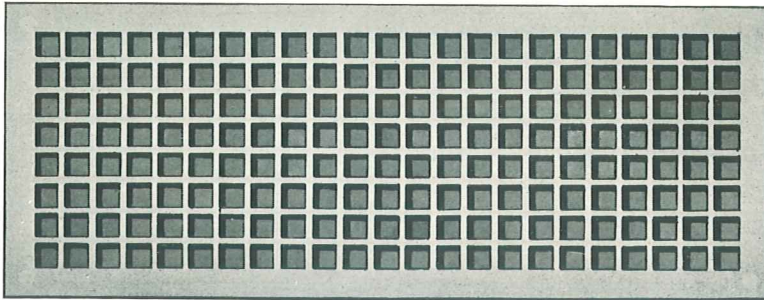
Wire Grilles on page 39.

Special Designs are shown on pages 40, 41, and 42.

## CAST GRILLES

CAST IN IRON, BRASS, OR BRONZE

ALL FINISHES

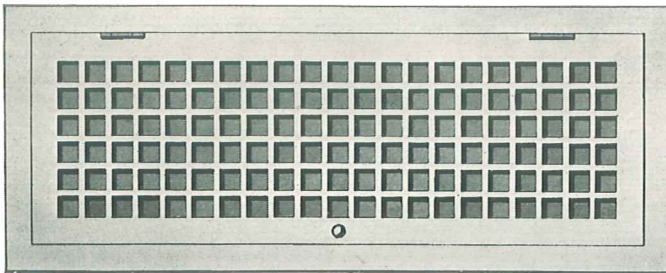


Plain Lattice cast Grilles are made in almost all sizes (opening sizes) of even inches, and in all finishes.

Unless otherwise ordered, a mesh approximately  $\frac{7}{8}$  inch square with intervening bars  $\frac{1}{4}$  inch wide will be furnished. List prices covering these goods will be found on pages 9, 10, 11, 12, 13, 14. Prices for unlisted sizes upon application.

Plain Lattice Grilles furnished in  $\frac{1}{2}$  inch square and diagonal meshes, and in larger meshes as required. Prices on application.

When ordering specify whether for Wall or Floor use.

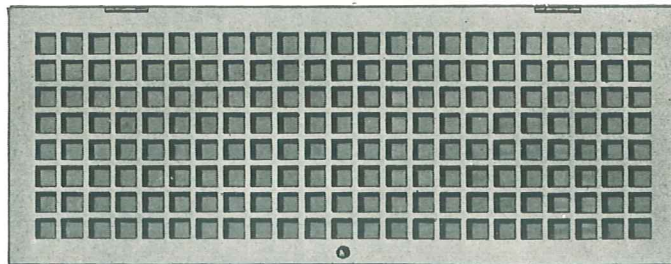


Grille hinged to Angle Frame and with Catch for access to Valves and for cleaning purposes.

Special designs may be similarly arranged.

Grille hinged to wood-work and with Catch for access to Valves and for cleaning purposes.

Special designs may be similarly arranged.



Estimates for Providing Hinges, Catches, Special Frames, etc., as above, will be furnished upon application.



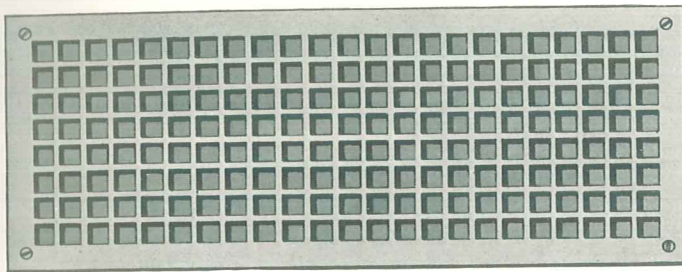
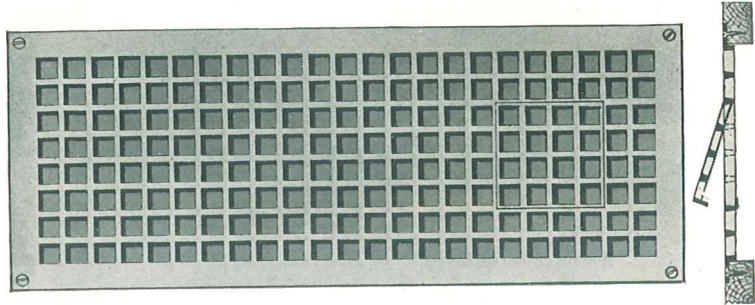
## CAST GRILLES

CAST IN IRON, BRASS, OR BRONZE

ALL FINISHES

Grille with secret door in fretwork for access to valves; the secret door may be placed in any location desired.

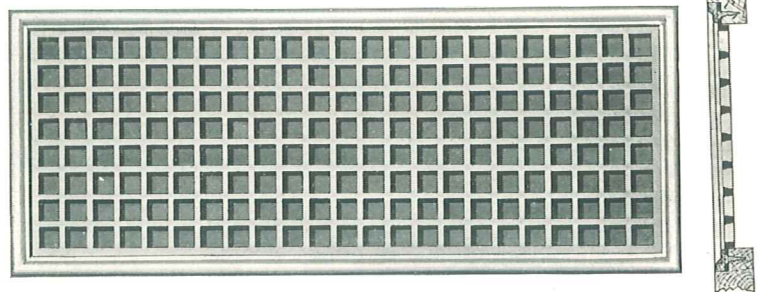
Doors generally furnished 6 inch by 6 inch, but can be made any size required that will conform to the bars of Grille evenly. Secret doors may be placed in special designs also.



Grille attached to Cast Iron Reverse Bevel Wall Frame, either 2 inch or 4 inch deep.

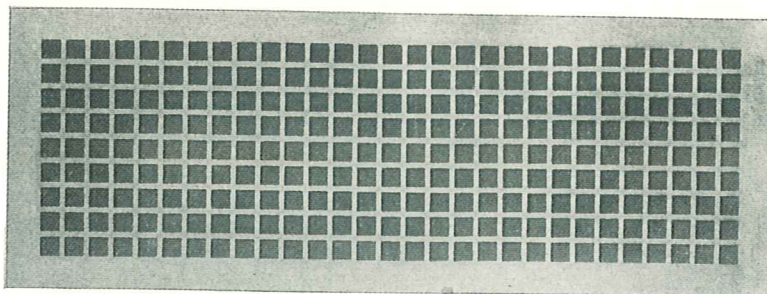
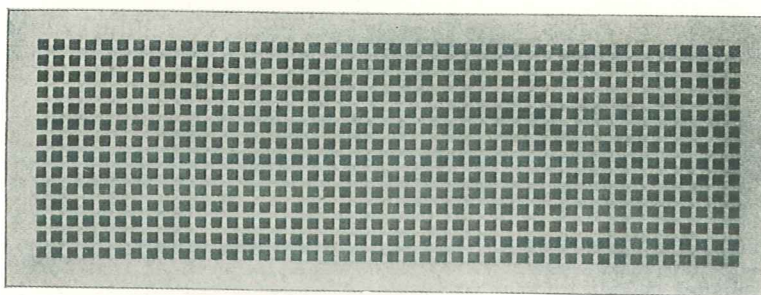
For details of Wall Frames, see page 16. Special designs may be attached to Frame in the same manner.

Grille held in place by wood moulding.



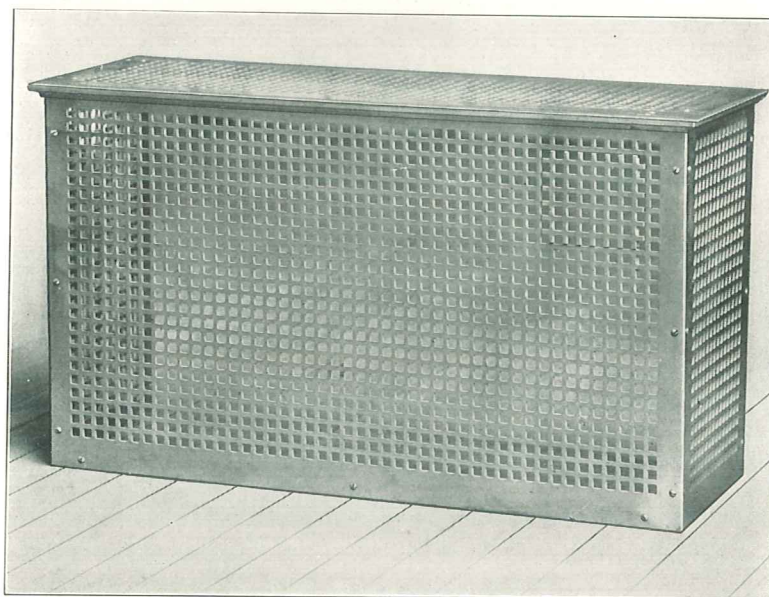
Estimates for Providing Grilles as above will be Furnished upon Application.

## STEEL GRILLES

 $\frac{3}{4}$  INCH SQUARE MESH $\frac{1}{2}$  INCH SQUARE MESH

## RADIATOR ENCLOSURES

Cast Iron, Bronze, or Steel. With or Without Secret Doors

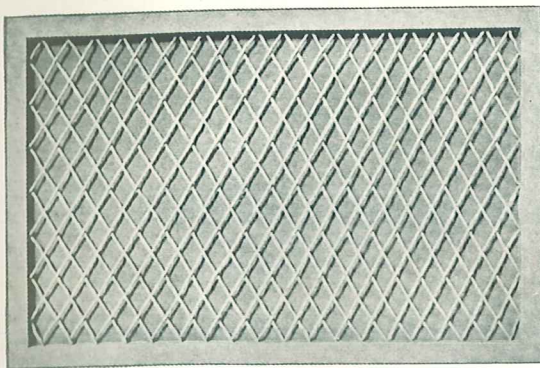




## WIRE GRILLES

Wire Grilles afford a cheap covering for Ventilator Openings, and are made in several styles of frames and designs, a few of which we illustrate herewith.

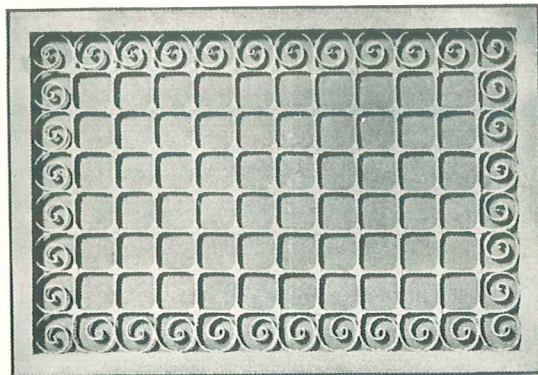
When ordering Wire Grilles or requesting prices, please give us the following information:  
 Style and size of Mesh; Gauge of Wire and whether round or flat; Style of Frame;  
 Size of Grille; Finish, Black, Bronzed, Plated, etc.  
 No standard list. Prices quoted from specifications.



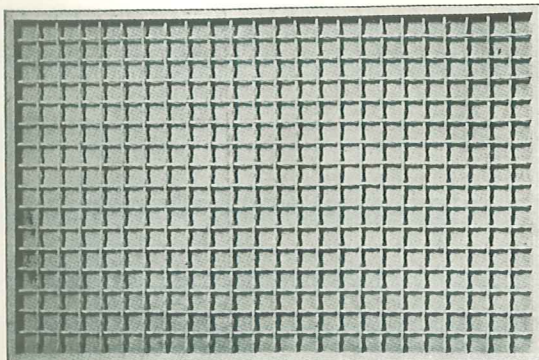
No. 1

Single Twist Flat Wire Grille with ends of wire scrolled, Angle Frame. Give size of flat wire and size of square mesh.

Furnished in any size and finish. Give opening size into which Grille sets.



No. 2



No. 3

Diamond Mesh Grille in Angle Frame, Round Wire. This style Grille measured by opening size into which Grille sets.

Furnished in any size, mesh, and wire, all finishes.

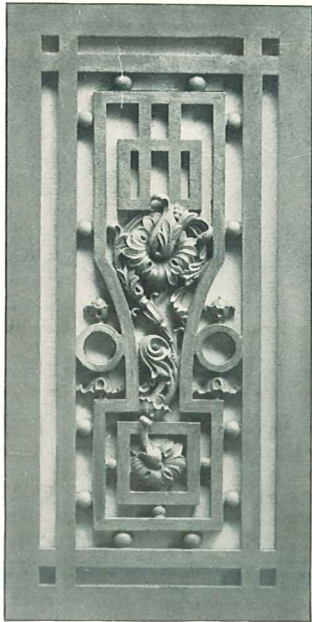
Square Mesh Grille in Channel Frame. Give over-all dimensions. Grilles in Channel Frames furnished in all sizes of Square and Diamond Meshes. Also in Flat Wire Meshes.

Further information and prices upon application.

## SPECIAL DESIGNS

On the following pages we show a few only of our Special Designs. They are not carried in stock, and in most cases there is an extra charge for modeling.

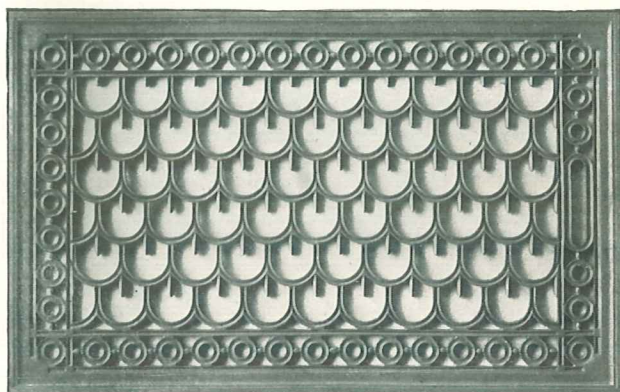
We make Registers, Grilles, and Screens of designs suited to all orders of decoration from the simple Colonial to the elaborate Renaissance. They can be made in almost any size, can be curved, concave, or convex, and shaped to fit paneling or any special shapes. We work from our own or architect's details. Cast in Brass, Bronze, or Iron. Finished in all shades and to match any standard or special finish.



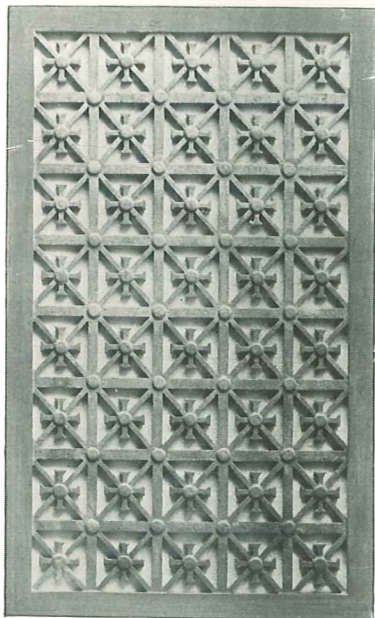
No. 210



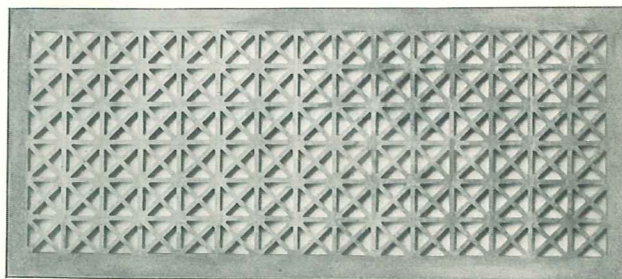
No. 261



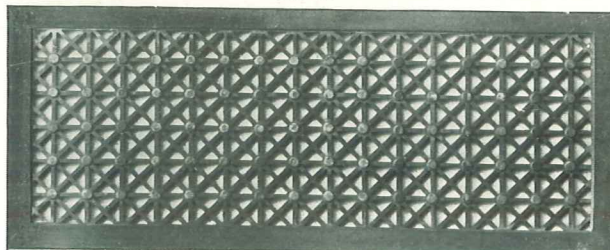
No. 83



No. 110

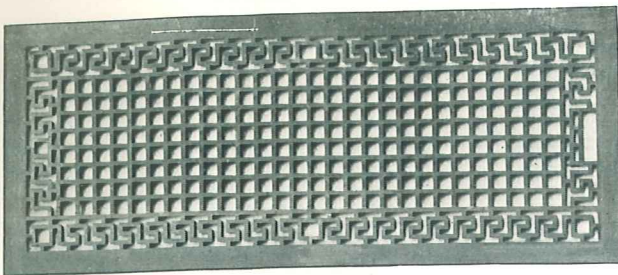


No. 35

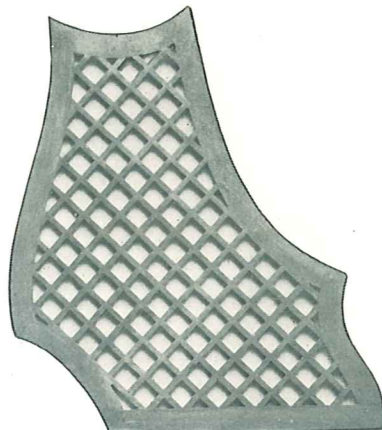


No. 36

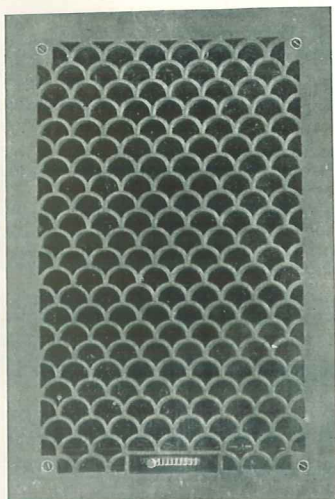




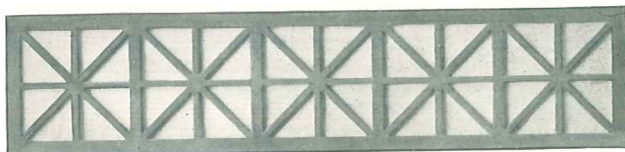
No. 5



No. 50, SPECIAL SHAPE



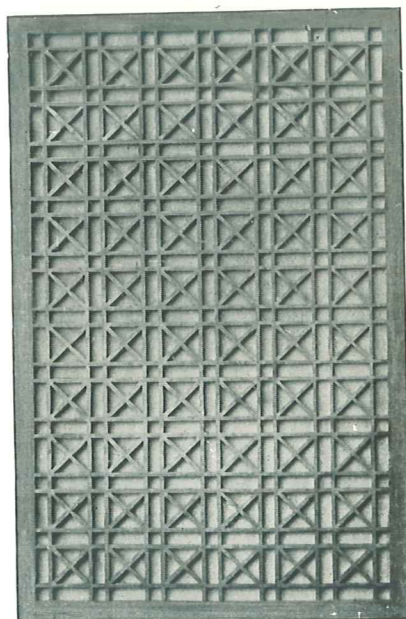
SHELL DESIGN



No. 105

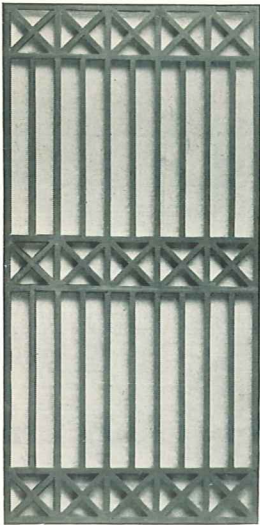


No. 50, SPECIAL SHAPE

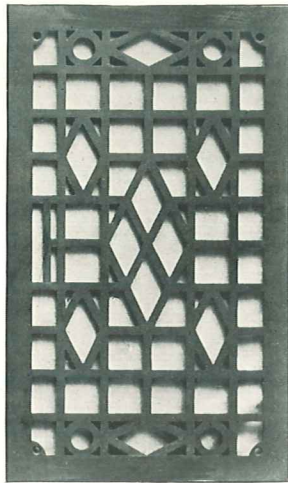


No. 195

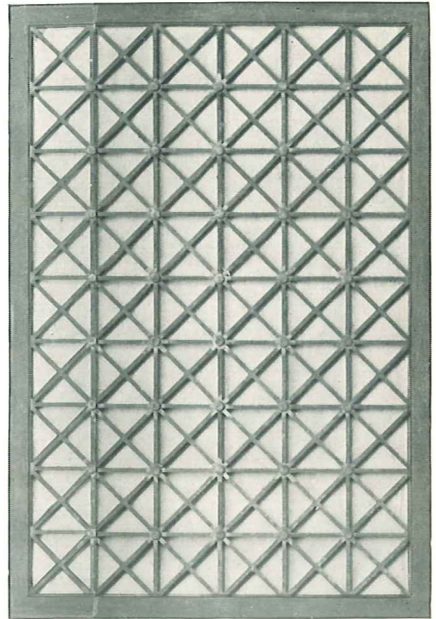




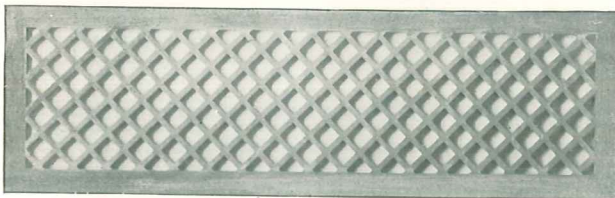
No. 87



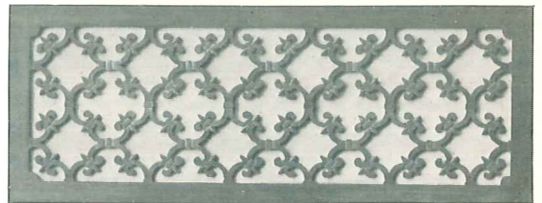
No. 250



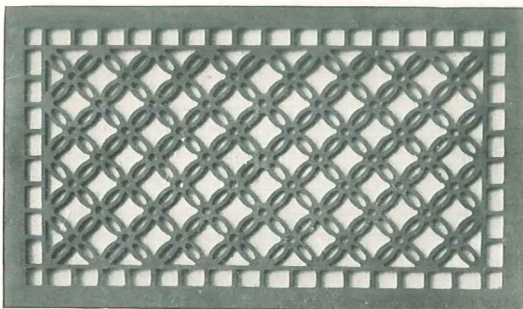
No. 37



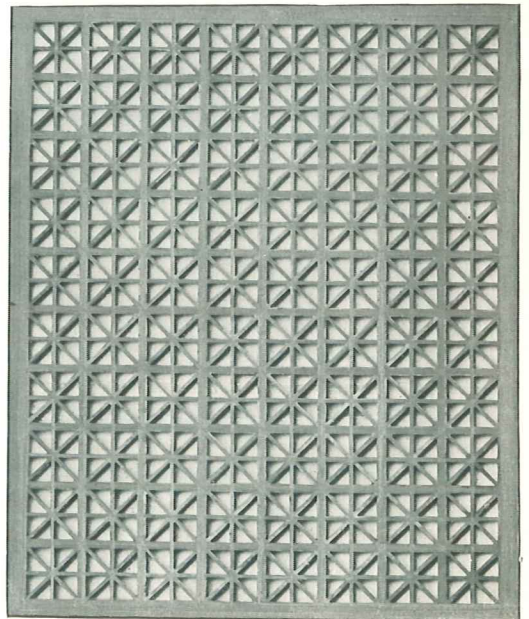
No. 50



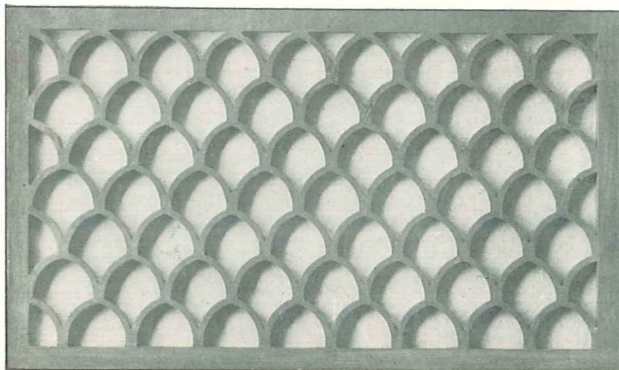
No. 273



No. 25



No. 80



No. 75



**REFERENCES.** PARTIAL LIST OF BUILDINGS FOR WHICH REGISTERS, FACES, GRILLES, SCREENS, ETC., WERE MANUFACTURED BY WM. HIGHTON & SONS COMPANY

- AKRON, OHIO  
Firestone Tire Co.
- ALLENTOWN, PA.  
Merchants National Bank
- ATLANTA, GA.  
Chandler Residence  
Lombard Residence
- ATLANTIC CITY, N. J.  
Ritz Carlton Hotel
- BALTIMORE, MD.  
Maryland Casualty Co.  
Baltimore & Ohio Railroad Co.  
(office building)
- BANGOR, ME.  
Eastern Maine State Hospital
- BLUEMONT, VA.  
Buchanan Residence
- BOSTON, MASS.  
Harvard Club  
R. H. Stearns Building  
First National Bank  
John Hancock Building  
South Terminal  
Suffolk County Court House  
Employers' Liability Bldg.  
Harvard Medical School  
Hornblower & Weeks Bldg.  
Federal Trust Co. Bldg.  
Merchants' National Bank Bldg.  
Evans Memorial Hospital
- BROOKLINE, MASS.  
Corey Hill Hospital
- BUFFALO, N. Y.  
Marine National Bank  
Orlean High School  
Buffalo City Hospital
- BRIDGEPORT, CONN.  
Lasher Residence
- BRIGHTON, MASS.  
St. Joseph's Academy  
St. Elizabeth's Hospital
- BURLINGTON, VT.  
Hotel Vermont
- CHARLESTON, S. C.  
Dime Bank & Trust Co.
- CLEVELAND, OHIO  
Cleveland Railway Co.  
Fourth Church of Christ Science  
Cleveland & Western Coal Co.  
Leader-News Bldg.  
Hanna Building
- CONCORD, N. H.  
State Hospital
- CUMBERLAND, MD.  
Kelly-Springfield Tire Co.
- DETROIT, MICH.  
Hotel Statler
- EBENSBURG, PA.  
Cambria Co. Court House
- FIELDSTONE, N. Y.  
E. A. Hoffman Residence
- FITCHBURG, MASS.  
D. Frank Dillon Residence
- FLINT, MICH.  
Genesee Bank
- GLASGOW, SCOTLAND  
Royal Hospital
- GLEN COVE, L. I.  
Geo. D. Platt Residence
- GREELEY, COLO.  
Weld Co. Court House
- HARTFORD, CONN.  
National Fire Ins. Bldg.  
Supreme Court and Library.
- HAVERHILL, MASS.  
Merrimack National Bank  
Colonial Theatre
- IRVINGTON, N. Y.  
Casper Whitney Residence
- LAKEWOOD, N. J.  
Lakewood Hospital
- LEWISTON, ME.  
Bates College
- LOUISVILLE, KY.  
Inter-Southern Ins. Bldg.
- MANCHESTER, N. H.  
F. M. Hoyt Shoe Co. Office Bldg.  
Y.M.C.A. Bldg.  
Amoskeag Bank Bldg.
- MATTAPAN, MASS.  
Boston State Hospital
- MEDFORD, MASS.  
State Armory
- MASSENA SPRINGS, N. Y.  
U. S. Aluminum Co.
- MIDDLEBURY, VT.  
Middlebury College
- MONTCLAIR, N. J.  
Vincent S. Mulford Residence
- MONTPELIER, VT.  
State Capitol
- MONTREAL, CANADA  
Montreal High School
- NASHUA, N. H.  
Public Library  
St. Joseph's Hospital  
Memorial Hospital
- NASHVILLE, TENN.  
George Peabody College
- NAUGATUCK, CONN.  
N.Y., N.H. & H.R.R. Station
- NEW YORK, N. Y.  
Woolworth Bldg.  
Bellevue Hospital  
New York Club  
Greenpoint Hospital  
Lincoln Trust Co.  
Metropolitan Museum of Arts  
Cammeyer Building  
Nichols Residence  
Hotel Ambassador
- PAWTUCKET, R. I.  
Sayles Memorial Hospital
- PHILADELPHIA, PA.  
Girard Trust Co.  
Bulletin Bldg.  
Wanamaker Stores  
Gimbel Brothers Building  
Mount Sinai Hospital  
Jewish Hospital
- PORTLAND, ME.  
Customs House  
City Hall
- PROVIDENCE, R. I.  
State Armory
- SALEM, MASS.  
Salem Hospital
- SOMERVILLE, MASS.  
Public Library
- SPRINGFIELD, MASS.  
Hampden County Court House
- ST. LOUIS, MO.  
Scruggs-Vandervoort Dept.  
Stores
- WASHINGTON, D. C.  
New Bureau of Engraving and  
Printing
- WORCESTER, MASS.  
Greendale Hospital  
Bancroft Hotel

## REGISTERS AND BORDERS

Dimensions in Inches

| Size of Body  | REGISTER                |               | BORDER<br>With Ribs<br>Floor Opening | Size of Body    | REGISTER                |               | BORDER<br>With Ribs<br>Floor Opening |
|---------------|-------------------------|---------------|--------------------------------------|-----------------|-------------------------|---------------|--------------------------------------|
|               | Extreme Size<br>of Face | Depth<br>Open |                                      |                 | Extreme Size<br>of Face | Depth<br>Open |                                      |
| 4 1/2 x 6 1/2 | 5 5/8 x 7 5/8           | 1 5/8         | 7 5/8 x 9 9/16                       | 8 x 18          | 9 3/4 x 19 3/4          | 3             | 11 7/8 x 21 7/8                      |
| 4 x 8         | 5 1/4 x 9 1/4           | 2 1/4         | 7 1/8 x 11 1/16                      | 8 x 20          | 9 3/4 x 21 3/4          | 3             | 11 7/8 x 23 7/8                      |
| 4 x 10        | 5 1/4 x 11 1/4          | 2 1/4         | 7 1/8 x 13 1/16                      | 8 x 21          | 9 3/4 x 22 3/4          | 3             | 11 7/8 x 24 7/8                      |
| 4 x 12        | 5 1/4 x 13 1/4          | 2 1/4         | 7 1/8 x 15 1/16                      | 8 x 24          | 9 3/4 x 25 3/4          | 3             | 11 7/8 x 27 7/8                      |
| 4 x 15        | 5 1/4 x 16 3/16         | 2 1/4         | 7 1/8 x 18 1/16                      | 8 x 27          | 9 3/4 x 28 1/16         | 3             | 11 7/8 x 30 7/8                      |
| 4 x 18        | 5 1/4 x 19 1/4          | 2 1/4         | 7 1/8 x 21 1/16                      | 8 x 30          | 9 3/4 x 31 1/16         | 3             | 11 7/8 x 33 7/8                      |
| 4 x 21        | 5 1/4 x 22 3/16         | 2 1/4         | 7 1/8 x 24 1/16                      | 8 x 32          | 9 3/4 x 33 1/16         | 3             | 11 7/8 x 35 7/8                      |
| 4 x 24        | 5 1/4 x 25 1/4          | 2 1/4         | 7 1/8 x 27 1/16                      | 8 x 36          | 9 3/4 x 37 1/16         | 3             | 11 7/8 x 39 7/8                      |
| 4 x 28        | 5 1/4 x 29 1/4          | 2 1/4         | 7 1/8 x 31 1/16                      | 9 x 9           | 10 7/8 x 10 7/8         | 3 1/4         | 13 1/16 x 13 1/16                    |
| 4 x 32        | 5 1/4 x 33 1/4          | 2 1/4         | 7 1/8 x 35 1/8                       | 9 x 12          | 10 7/8 x 13 7/8         | 3 1/4         | 13 1/16 x 16 1/16                    |
| 5 x 8         | 6 5/16 x 9 5/16         | 2             | 8 1/8 x 11 1/8                       | 9 x 13          | 10 7/8 x 14 7/8         | 3 1/4         | 13 1/16 x 17 1/16                    |
| 5 x 9         | 6 5/16 x 10 5/16        | 2             | 8 1/8 x 12 1/8                       | 9 x 14          | 10 7/8 x 15 7/8         | 3 1/4         | 13 1/16 x 18 1/16                    |
| 5 x 10        | 6 5/16 x 11 5/16        | 2             | 8 1/8 x 13 1/8                       | 9 x 15          | 10 7/8 x 16 3/16        | 3 1/4         | 13 1/16 x 19 1/16                    |
| 5 x 12        | 6 5/16 x 13 5/16        | 2             | 8 1/8 x 15 1/8                       | 9 x 16          | 10 7/8 x 17 3/16        | 3 1/4         | 13 1/16 x 20 1/16                    |
| 5 x 14        | 6 5/16 x 15 5/16        | 2             | 8 1/8 x 17 1/8                       | 9 x 18          | 10 7/8 x 19 7/8         | 3 1/4         | 13 1/16 x 22 1/16                    |
| 5 x 16        | 6 5/16 x 17 5/16        | 2             | 8 1/8 x 19 1/8                       | 9 x 20          | 10 7/8 x 21 7/8         | 3 1/4         | 13 1/16 x 24 1/16                    |
| 5 x 18        | 6 5/16 x 19 5/16        | 2             | 8 1/8 x 21 1/8                       | 9 x 22          | 10 7/8 x 23 7/8         | 3 1/4         | 13 1/16 x 26 1/16                    |
| 6 x 6         | 7 11/16 x 7 11/16       | 2 3/8         | 9 9/16 x 9 9/16                      | 9 x 24          | 10 7/8 x 25 7/8         | 3 1/4         | 13 1/16 x 28 1/16                    |
| 6 x 8         | 7 11/16 x 9 11/16       | 2 3/8         | 9 9/16 x 11 9/16                     | 9 x 26          | 10 7/8 x 27 7/8         | 3 1/4         | 13 1/16 x 30 1/16                    |
| 6 x 9         | 7 11/16 x 10 11/16      | 2 3/8         | 9 9/16 x 12 9/16                     | 9 x 28          | 10 7/8 x 29 13/16       | 3 1/4         | 13 1/16 x 32 1/16                    |
| 6 x 10        | 7 11/16 x 11 11/16      | 2 3/8         | 9 9/16 x 13 9/16                     | 9 x 30          | 10 7/8 x 31 13/16       | 3 1/4         | 13 1/16 x 34 1/16                    |
| 6 x 12        | 7 11/16 x 13 11/16      | 2 3/8         | 9 9/16 x 15 9/16                     | 9 x 32          | 10 7/8 x 33 13/16       | 3 1/4         | 13 1/16 x 36 1/16                    |
| 6 x 14        | 7 11/16 x 15 11/16      | 2 3/8         | 9 9/16 x 17 9/16                     | 9 x 36          | 10 7/8 x 37 13/16       | 3 1/4         | 13 1/16 x 40 1/16                    |
| 6 x 16        | 7 11/16 x 17 11/16      | 2 3/8         | 9 9/16 x 19 9/16                     | 10 x 10         | 11 15/16 x 11 15/16     | 3 3/8         | 14 3/16 x 14 3/16                    |
| 6 x 18        | 7 11/16 x 19 11/16      | 2 3/8         | 9 9/16 x 21 9/16                     | 10 x 12         | 11 15/16 x 13 15/16     | 3 3/8         | 14 3/16 x 16 3/16                    |
| 6 x 20        | 7 11/16 x 21 11/16      | 2 3/8         | 9 9/16 x 23 9/16                     | 10 x 14         | 11 15/16 x 15 15/16     | 3 3/8         | 14 3/16 x 18 3/16                    |
| 6 x 22        | 7 11/16 x 23 11/16      | 2 3/8         | 9 9/16 x 25 9/16                     | 10 x 15         | 11 15/16 x 16 7/8       | 3 3/8         | 14 3/16 x 19 3/16                    |
| 6 x 24        | 7 11/16 x 25 11/16      | 2 3/8         | 9 9/16 x 27 9/16                     | 10 x 16         | 11 15/16 x 17 7/8       | 3 3/8         | 14 3/16 x 20 3/16                    |
| 6 x 28        | 7 11/16 x 29 5/8        | 2 3/8         | 9 9/16 x 31 9/16                     | 10 x 18         | 11 15/16 x 19 7/8       | 3 3/8         | 14 3/16 x 22 3/16                    |
| 6 x 30        | 7 11/16 x 31 5/8        | 2 3/8         | 9 9/16 x 33 9/16                     | 10 x 20         | 11 15/16 x 21 7/8       | 3 3/8         | 14 3/16 x 24 3/16                    |
| 6 x 32        | 7 11/16 x 33 5/8        | 2 3/8         | 9 9/16 x 35 9/16                     | 10 x 22         | 11 15/16 x 23 7/8       | 3 3/8         | 14 3/16 x 26 3/16                    |
| 6 x 36        | 7 11/16 x 37 5/8        | 2 3/8         | 9 9/16 x 39 9/16                     | 10 x 24         | 11 15/16 x 25 7/8       | 3 3/8         | 14 3/16 x 28 3/16                    |
| 7 x 7         | 8 11/16 x 8 11/16       | 2 3/4         | 10 9/16 x 10 9/16                    | 10 x 30         | 11 15/16 x 31 7/8       | 3 3/8         | 14 3/16 x 34 3/16                    |
| 7 x 10        | 8 11/16 x 11 11/16      | 2 3/4         | 10 9/16 x 13 9/16                    | 10 x 36         | 11 15/16 x 37 7/8       | 3 3/8         | 14 3/16 x 40 3/16                    |
| 7 x 12        | 8 11/16 x 13 11/16      | 2 3/4         | 10 9/16 x 15 9/16                    | 10 x 40         | 11 15/16 x 41 7/8       | 3 3/8         | 14 3/16 x 44 3/16                    |
| 7 x 14        | 8 11/16 x 15 5/8        | 2 3/4         | 10 9/16 x 17 9/16                    | 10 1/2 x 16 1/2 | 12 1/2 x 18 1/2         | 3 1/8         | 14 1/2 x 20 1/2                      |
| 7 x 15        | 8 11/16 x 16 5/8        | 2 3/4         | 10 9/16 x 18 9/16                    | 11 x 17         | 13 x 18 15/16           | 4             | 15 1/4 x 21 1/4                      |
| 8 x 8         | 9 3/4 x 9 3/4           | 3             | 11 7/8 x 11 7/8                      | 11 x 18         | 13 x 19 15/16           | 4             | 15 1/4 x 22 1/4                      |
| 8 x 10        | 9 3/4 x 11 3/4          | 3             | 11 7/8 x 13 7/8                      | 11 x 20         | 13 x 21 15/16           | 4             | 15 1/4 x 24 1/4                      |
| 8 x 12        | 9 3/4 x 13 3/4          | 3             | 11 7/8 x 15 7/8                      | 12 x 12         | 14 1/16 x 14 1/16       | 4             | 16 7/16 x 16 7/16                    |
| 8 x 13        | 9 3/4 x 14 11/16        | 3             | 11 7/8 x 16 7/8                      | 12 x 14         | 14 1/16 x 16 1/16       | 4             | 16 7/16 x 18 7/16                    |
| 8 x 14        | 9 3/4 x 15 11/16        | 3             | 11 7/8 x 17 7/8                      | 12 x 15         | 14 1/16 x 17            | 4             | 16 7/16 x 19 7/16                    |
| 8 x 15        | 9 3/4 x 16 11/16        | 3             | 11 7/8 x 18 7/8                      | 12 x 16         | 14 1/16 x 18            | 4             | 16 7/16 x 20 7/16                    |
| 8 x 16        | 9 3/4 x 17 11/16        | 3             | 11 7/8 x 19 7/8                      |                 |                         |               |                                      |

Dimensions of Brass and Bronze Faces are a trifle smaller



## REGISTERS AND BORDERS — Continued

Dimensions in Inches

| Size of Body | REGISTER                             |                 | BORDER<br>With Ribs<br>Floor Opening   | Size of Body | REGISTER                            |                 | BORDER<br>With Ribs<br>Floor Opening   |
|--------------|--------------------------------------|-----------------|--|--------------|-------------------------------------|-----------------|--|
|              | Extreme Size<br>of Face              | Depth<br>Open   |  |              | Extreme Size<br>of Face             | Depth<br>Open   |  |
| 12×17        | 14 $\frac{1}{16}$ ×19                | 4               | 16 $\frac{7}{16}$ ×21 $\frac{7}{16}$   | 18×36        | 20 $\frac{5}{16}$ ×38 $\frac{1}{4}$ | 4 $\frac{3}{4}$ | 22 $\frac{15}{16}$ ×40 $\frac{15}{16}$ |
| 12×18        | 14 $\frac{1}{16}$ ×20                | 4               | 16 $\frac{7}{16}$ ×22 $\frac{7}{16}$   | 20×20        | 22 $\frac{3}{8}$ ×22 $\frac{3}{8}$  | 5 $\frac{1}{2}$ | 25 $\frac{1}{8}$ ×25 $\frac{1}{8}$     |
| 12×19        | 14 $\frac{1}{16}$ ×21                | 4               | 16 $\frac{7}{16}$ ×23 $\frac{7}{16}$   | 20×22        | 22 $\frac{3}{8}$ ×24 $\frac{3}{8}$  | 5 $\frac{1}{2}$ | 25 $\frac{1}{8}$ ×27 $\frac{1}{8}$     |
| 12×20        | 14 $\frac{1}{16}$ ×22                | 4               | 16 $\frac{7}{16}$ ×24 $\frac{7}{16}$   | 20×24        | 22 $\frac{3}{8}$ ×26 $\frac{3}{8}$  | 5 $\frac{1}{2}$ | 25 $\frac{1}{8}$ ×29 $\frac{1}{8}$     |
| 12×22        | 14 $\frac{1}{16}$ ×24                | 4               | 16 $\frac{7}{16}$ ×26 $\frac{7}{16}$   | 20×26        | 22 $\frac{3}{8}$ ×28 $\frac{3}{8}$  | 5 $\frac{1}{2}$ | 25 $\frac{1}{8}$ ×31 $\frac{1}{8}$     |
| 12×24        | 14 $\frac{1}{16}$ ×26                | 4               | 16 $\frac{7}{16}$ ×28 $\frac{7}{16}$   | 20×28        | 22 $\frac{3}{8}$ ×30 $\frac{3}{8}$  | 5 $\frac{1}{2}$ | 25 $\frac{1}{8}$ ×33 $\frac{1}{8}$     |
| 12×26        | 14 $\frac{1}{16}$ ×28                | 4               | 16 $\frac{7}{16}$ ×30 $\frac{7}{16}$   | 20×30        | 22 $\frac{3}{8}$ ×32 $\frac{3}{8}$  | 5 $\frac{1}{2}$ | 25 $\frac{1}{8}$ ×35 $\frac{1}{8}$     |
| 12×28        | 14 $\frac{1}{16}$ ×30                | 4               | 16 $\frac{7}{16}$ ×32 $\frac{7}{16}$   | 20×32        | 22 $\frac{3}{8}$ ×34 $\frac{3}{8}$  | 5 $\frac{1}{2}$ | 25 $\frac{1}{8}$ ×37 $\frac{1}{8}$     |
| 12×30        | 14 $\frac{1}{16}$ ×32                | 4               | 16 $\frac{7}{16}$ ×34 $\frac{7}{16}$   | 20×36        | 22 $\frac{3}{8}$ ×38 $\frac{3}{8}$  | 5 $\frac{1}{2}$ | 25 $\frac{1}{8}$ ×41 $\frac{1}{8}$     |
| 12×32        | 14 $\frac{1}{16}$ ×34                | 4               | 16 $\frac{7}{16}$ ×36 $\frac{7}{16}$   | 21×21        | 23 $\frac{3}{8}$ ×23 $\frac{3}{8}$  | 6               | 26 $\frac{1}{2}$ ×26 $\frac{1}{2}$     |
| 12×36        | 14 $\frac{1}{16}$ ×38                | 4               | 16 $\frac{7}{16}$ ×40 $\frac{7}{16}$   | 21×25        | 23 $\frac{3}{8}$ ×27 $\frac{3}{8}$  | 6               | 26 $\frac{1}{2}$ ×30 $\frac{1}{2}$     |
| 12×40        | 14 $\frac{1}{16}$ ×42                | 4               | 16 $\frac{7}{16}$ ×44 $\frac{7}{16}$   | 21×29        | 23 $\frac{3}{8}$ ×31 $\frac{3}{8}$  | 6               | 26 $\frac{1}{2}$ ×34 $\frac{1}{2}$     |
| 12×48        | 14 $\frac{1}{16}$ ×50                | 4               | 16 $\frac{7}{16}$ ×52 $\frac{7}{16}$   | 22×22        | 24 $\frac{3}{8}$ ×24 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×27 $\frac{1}{2}$     |
| 14×14        | 16 $\frac{1}{4}$ ×16 $\frac{1}{4}$   | 4               | 18 $\frac{15}{16}$ ×18 $\frac{15}{16}$ | 22×24        | 24 $\frac{3}{8}$ ×26 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×29 $\frac{1}{2}$     |
| 14×15        | 16 $\frac{1}{4}$ ×17 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×19 $\frac{5}{16}$  | 22×26        | 24 $\frac{3}{8}$ ×28 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×31 $\frac{1}{2}$     |
| 14×16        | 16 $\frac{1}{4}$ ×18 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×20 $\frac{5}{16}$  | 22×28        | 24 $\frac{3}{8}$ ×30 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×33 $\frac{1}{2}$     |
| 14×18        | 16 $\frac{1}{4}$ ×20 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×22 $\frac{5}{16}$  | 22×30        | 24 $\frac{3}{8}$ ×32 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×35 $\frac{1}{2}$     |
| 14×20        | 16 $\frac{1}{4}$ ×22 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×24 $\frac{5}{16}$  | 22×32        | 24 $\frac{3}{8}$ ×34 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×37 $\frac{1}{2}$     |
| 14×22        | 16 $\frac{1}{4}$ ×24 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×26 $\frac{5}{16}$  | 22×36        | 24 $\frac{3}{8}$ ×38 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×41 $\frac{1}{2}$     |
| 14×24        | 16 $\frac{1}{4}$ ×26 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×28 $\frac{5}{16}$  | 22×38        | 24 $\frac{3}{8}$ ×40 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×43 $\frac{1}{2}$     |
| 14×30        | 16 $\frac{1}{4}$ ×32 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×34 $\frac{5}{16}$  | 22×42        | 24 $\frac{3}{8}$ ×44 $\frac{3}{8}$  | 5 $\frac{1}{4}$ | 27 $\frac{1}{2}$ ×47 $\frac{1}{2}$     |
| 14×36        | 16 $\frac{1}{4}$ ×38 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×40 $\frac{5}{16}$  | 24×24        | 26 $\frac{3}{8}$ ×26 $\frac{3}{8}$  | 5 $\frac{3}{8}$ | 29 $\frac{1}{2}$ ×29 $\frac{1}{2}$     |
| 14×40        | 16 $\frac{1}{4}$ ×42 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×44 $\frac{5}{16}$  | 24×27        | 26 $\frac{3}{8}$ ×29 $\frac{3}{8}$  | 5 $\frac{3}{8}$ | 29 $\frac{1}{2}$ ×32 $\frac{1}{2}$     |
| 14×48        | 16 $\frac{1}{4}$ ×50 $\frac{5}{16}$  | 4               | 18 $\frac{15}{16}$ ×52 $\frac{5}{16}$  | 24×30        | 26 $\frac{3}{8}$ ×32 $\frac{3}{8}$  | 5 $\frac{3}{8}$ | 29 $\frac{1}{2}$ ×35 $\frac{1}{2}$     |
| 15×15        | 17 $\frac{1}{4}$ ×17 $\frac{1}{4}$   | 4 $\frac{1}{2}$ | 19 $\frac{3}{4}$ ×19 $\frac{3}{4}$     | 24×32        | 26 $\frac{3}{8}$ ×34 $\frac{3}{8}$  | 5 $\frac{3}{8}$ | 29 $\frac{1}{2}$ ×37 $\frac{1}{2}$     |
| 15×21        | 17 $\frac{1}{4}$ ×23 $\frac{1}{4}$   | 4 $\frac{1}{2}$ | 19 $\frac{3}{4}$ ×25 $\frac{3}{4}$     | 24×36        | 26 $\frac{3}{8}$ ×38 $\frac{3}{8}$  | 5 $\frac{3}{8}$ | 29 $\frac{1}{2}$ ×41 $\frac{1}{2}$     |
| 15×25        | 17 $\frac{1}{4}$ ×27 $\frac{1}{4}$   | 4 $\frac{1}{2}$ | 19 $\frac{3}{4}$ ×29 $\frac{3}{4}$     | 24×45        | 26 $\frac{3}{8}$ ×47 $\frac{3}{8}$  | 5 $\frac{3}{8}$ | 29 $\frac{1}{2}$ ×50 $\frac{1}{2}$     |
| 15×30        | 17 $\frac{1}{4}$ ×32 $\frac{1}{4}$   | 4 $\frac{1}{2}$ | 19 $\frac{3}{4}$ ×34 $\frac{3}{4}$     | 27×27        | 29 $\frac{3}{8}$ ×29 $\frac{3}{8}$  | 6               | 32 $\frac{1}{2}$ ×32 $\frac{1}{2}$     |
| 15×34        | 17 $\frac{1}{4}$ ×36 $\frac{1}{4}$   | 4 $\frac{1}{2}$ | 19 $\frac{3}{4}$ ×38 $\frac{3}{4}$     | 27×38        | 29 $\frac{3}{8}$ ×40 $\frac{3}{8}$  | 6 $\frac{1}{2}$ | 32 $\frac{1}{2}$ ×43 $\frac{1}{2}$     |
| 16×16        | 18 $\frac{5}{16}$ ×18 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×20 $\frac{7}{8}$     | 27×38        | 29 $\frac{3}{8}$ ×40 $\frac{3}{8}$  | 6 $\frac{1}{2}$ | 33 $\frac{1}{2}$ ×33 $\frac{1}{2}$     |
| 16×18        | 18 $\frac{5}{16}$ ×20 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×22 $\frac{7}{8}$     | 28×28        | 30 $\frac{3}{8}$ ×30 $\frac{3}{8}$  | 6 $\frac{1}{2}$ | 33 $\frac{1}{2}$ ×33 $\frac{1}{2}$     |
| 16×20        | 18 $\frac{5}{16}$ ×22 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×24 $\frac{7}{8}$     | 28×30        | 30 $\frac{3}{8}$ ×32 $\frac{3}{8}$  | 6 $\frac{1}{2}$ | 33 $\frac{1}{2}$ ×35 $\frac{1}{2}$     |
| 16×22        | 18 $\frac{5}{16}$ ×24 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×26 $\frac{7}{8}$     | 28×32        | 30 $\frac{3}{8}$ ×34 $\frac{3}{8}$  | 6 $\frac{1}{2}$ | 33 $\frac{1}{2}$ ×37 $\frac{1}{2}$     |
| 16×24        | 18 $\frac{5}{16}$ ×26 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×28 $\frac{7}{8}$     | 28×36        | 30 $\frac{3}{8}$ ×38 $\frac{3}{8}$  | 6 $\frac{1}{2}$ | 33 $\frac{1}{2}$ ×41 $\frac{1}{2}$     |
| 16×28        | 18 $\frac{5}{16}$ ×30 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×32 $\frac{7}{8}$     | 30×30        | 32 $\frac{3}{8}$ ×32 $\frac{3}{8}$  | 7 $\frac{3}{4}$ | 35 $\frac{1}{2}$ ×35 $\frac{1}{2}$     |
| 16×30        | 18 $\frac{5}{16}$ ×32 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×34 $\frac{7}{8}$     | 30×36        | 32 $\frac{3}{8}$ ×38 $\frac{3}{8}$  | 7 $\frac{3}{4}$ | 35 $\frac{1}{2}$ ×41 $\frac{1}{2}$     |
| 16×32        | 18 $\frac{5}{16}$ ×34 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×36 $\frac{7}{8}$     | 30×42        | 32 $\frac{3}{8}$ ×44 $\frac{3}{8}$  | 7 $\frac{3}{4}$ | 35 $\frac{1}{2}$ ×47 $\frac{1}{2}$     |
| 16×36        | 18 $\frac{5}{16}$ ×38 $\frac{5}{16}$ | 4 $\frac{1}{4}$ | 20 $\frac{7}{8}$ ×40 $\frac{7}{8}$     | 30×48        | 32 $\frac{3}{8}$ ×50 $\frac{3}{8}$  | 7 $\frac{3}{4}$ | 35 $\frac{1}{2}$ ×53 $\frac{1}{2}$     |
| 18×18        | 20 $\frac{5}{16}$ ×20 $\frac{5}{16}$ | 4 $\frac{3}{4}$ | 22 $\frac{15}{16}$ ×22 $\frac{15}{16}$ | 36×36        | 38 $\frac{3}{8}$ ×38 $\frac{3}{8}$  | 7 $\frac{3}{8}$ | 41 $\frac{1}{2}$ ×41 $\frac{1}{2}$     |
| 18×20        | 20 $\frac{5}{16}$ ×22 $\frac{5}{16}$ | 4 $\frac{3}{4}$ | 22 $\frac{15}{16}$ ×24 $\frac{15}{16}$ | 36×40        | 38 $\frac{3}{8}$ ×42 $\frac{3}{8}$  | 7 $\frac{3}{8}$ | 41 $\frac{1}{2}$ ×45 $\frac{1}{2}$     |
| 18×21        | 20 $\frac{5}{16}$ ×23 $\frac{5}{16}$ | 4 $\frac{3}{4}$ | 22 $\frac{15}{16}$ ×25 $\frac{15}{16}$ | 36×42        | 38 $\frac{3}{8}$ ×44 $\frac{3}{8}$  | 7 $\frac{3}{8}$ | 41 $\frac{1}{2}$ ×47 $\frac{1}{2}$     |
| 18×24        | 20 $\frac{5}{16}$ ×26 $\frac{5}{16}$ | 4 $\frac{3}{4}$ | 22 $\frac{15}{16}$ ×28 $\frac{15}{16}$ | 36×48        | 38 $\frac{3}{8}$ ×50 $\frac{3}{8}$  | 7 $\frac{3}{8}$ | 41 $\frac{1}{2}$ ×53 $\frac{1}{2}$     |
| 18×27        | 20 $\frac{5}{16}$ ×29 $\frac{5}{16}$ | 4 $\frac{3}{4}$ | 22 $\frac{15}{16}$ ×31 $\frac{15}{16}$ | 38×38        | 40 $\frac{3}{8}$ ×40 $\frac{3}{8}$  | 7 $\frac{3}{8}$ | 43 $\frac{1}{2}$ ×43 $\frac{1}{2}$     |
| 18×30        | 20 $\frac{5}{16}$ ×32 $\frac{5}{16}$ | 4 $\frac{3}{4}$ | 22 $\frac{15}{16}$ ×34 $\frac{15}{16}$ | 38×40        | 40 $\frac{3}{8}$ ×42 $\frac{3}{8}$  | 7 $\frac{3}{8}$ | 43 $\frac{1}{2}$ ×45 $\frac{1}{2}$     |
|              |                                      |                 |  | 38×42        | 40 $\frac{3}{8}$ ×44 $\frac{3}{8}$  | 7 $\frac{3}{8}$ | 43 $\frac{1}{2}$ ×47 $\frac{1}{2}$     |

Dimensions of Brass and Bronze Faces are a trifle smaller

## ROUND REGISTERS AND BORDERS

## DIMENSIONS

| Size of Body | REGISTER             |                 | BORDER With Ribs Floor Opening | Size of Body | REGISTER             |                 | BORDER With Ribs Floor Opening |
|--------------|----------------------|-----------------|--------------------------------|--------------|----------------------|-----------------|--------------------------------|
|              | Extreme Size of Face | Depth Open      |                                |              | Extreme Size of Face | Depth Open      |                                |
| 5 in.        | 6 $\frac{5}{8}$ in.  | 2 $\frac{1}{2}$ | 7 $\frac{5}{8}$ in.            | 16 in.       | 17 $\frac{7}{8}$ in. | 4 $\frac{1}{2}$ | 21 $\frac{1}{4}$ in.           |
| 6 "          | 7 $\frac{1}{4}$ "    | 2 $\frac{1}{2}$ | 9 $\frac{1}{2}$ "              | 18 "         | 19 $\frac{7}{8}$ "   | 5               | 23 $\frac{5}{8}$ "             |
| 7 "          | 8 $\frac{3}{8}$ "    | 3               | 10 $\frac{7}{8}$ "             | 20 "         | 21 $\frac{7}{8}$ "   | 5 $\frac{5}{8}$ | 24 $\frac{5}{8}$ "             |
| 8 "          | 9 $\frac{3}{8}$ "    | 3 $\frac{3}{8}$ | 12 $\frac{3}{8}$ "             | 24 "         | 26 $\frac{1}{2}$ "   | 6 $\frac{1}{2}$ | 29 $\frac{1}{4}$ "             |
| 9 "          | 10 $\frac{5}{8}$ "   | 3 $\frac{3}{8}$ | 13 $\frac{3}{8}$ "             | 28 "         | 30 $\frac{3}{8}$ "   | 7               | 33 $\frac{3}{16}$ "            |
| 10 "         | 11 $\frac{5}{8}$ "   | 3 $\frac{3}{4}$ | 14 $\frac{1}{2}$ "             | 30 "         | 32 "                 | 6 $\frac{1}{2}$ | 36 $\frac{15}{16}$ "           |
| 12 "         | 13 $\frac{3}{4}$ "   | 3 $\frac{3}{4}$ | 16 $\frac{3}{4}$ "             | 36 "         | 38 $\frac{3}{8}$ "   | 7               | 44 $\frac{1}{4}$ "             |
| 14 "         | 15 $\frac{5}{8}$ "   | 4 $\frac{1}{2}$ | 18 $\frac{7}{8}$ "             |              |                      |                 |                                |

Dimensions of Brass and Bronze Faces are a trifle smaller

## ROUND TWO-VALVE VENTILATORS

| Size as given on List | Opening to admit body of Register | Extreme Dimensions of Register Face | DEPTH OF THE REGISTER |                   |
|-----------------------|-----------------------------------|-------------------------------------|-----------------------|-------------------|
|                       |                                   |                                     | Closed                | Open              |
| 5 in.                 | 5 $\frac{1}{8}$ in.               | 6 $\frac{1}{4}$ in.                 | 1 in.                 | 3 in.             |
| 6 "                   | 6 $\frac{1}{8}$ "                 | 7 $\frac{1}{2}$ "                   | 1 "                   | 3 $\frac{5}{8}$ " |
| 7 "                   | 7 $\frac{1}{8}$ "                 | 8 $\frac{3}{8}$ "                   | 1 "                   | 4 "               |
| 8 "                   | 8 $\frac{1}{8}$ "                 | 9 $\frac{3}{4}$ "                   | 1 $\frac{1}{8}$ "     | 4 $\frac{3}{4}$ " |
| 9 "                   | 9 $\frac{1}{8}$ "                 | 10 $\frac{3}{4}$ "                  | 1 $\frac{1}{4}$ "     | 5 $\frac{1}{8}$ " |

## CIRCULAR TOP REGISTERS

| Size as given on List | Opening to admit body of Register  | Extreme Dimensions of Register Face | DEPTH OF THE REGISTER |                 |
|-----------------------|------------------------------------|-------------------------------------|-----------------------|-----------------|
|                       |                                    |                                     | Closed                | Open            |
| 7×10                  | 7 ×10                              | 8 $\frac{5}{8}$ ×11 $\frac{5}{8}$   | 1 $\frac{3}{4}$       | 2 $\frac{5}{8}$ |
| 8×12                  | 8 $\frac{1}{4}$ ×12                | 10 $\frac{1}{4}$ ×13 $\frac{7}{8}$  | 1 $\frac{3}{4}$       | 3               |
| 9×12                  | 9 $\frac{1}{8}$ ×13                | 11 ×14 $\frac{5}{8}$                | 2                     | 3               |
| 10×14                 | 10 $\frac{5}{8}$ ×14 $\frac{5}{8}$ | 12 $\frac{1}{4}$ ×16 $\frac{1}{8}$  | 2 $\frac{1}{8}$       | 3               |
| 11×16                 | 11 $\frac{1}{8}$ ×16 $\frac{1}{4}$ | 12 $\frac{3}{4}$ ×18                | 2 $\frac{1}{8}$       | 3 $\frac{1}{4}$ |
| 12×18                 | 12 $\frac{1}{4}$ ×17 $\frac{1}{8}$ | 14 $\frac{1}{8}$ ×18 $\frac{7}{8}$  | 2 $\frac{1}{4}$       | 3 $\frac{3}{8}$ |
| HIGH WIDE             |                                    |                                     |                       |                 |
| 11×13                 | 11 ×13 $\frac{1}{2}$               | 12 $\frac{3}{4}$ ×14 $\frac{7}{8}$  | 2 $\frac{1}{2}$       | 3 $\frac{3}{4}$ |
| 13×15                 | 13 $\frac{1}{4}$ ×15 $\frac{5}{8}$ | 14 $\frac{7}{8}$ ×17                | 2 $\frac{5}{8}$       | 4 $\frac{1}{8}$ |

Dimensions of Convex Registers, Lock or Asylum Registers, and Self-Indicating Ventilators, same as Vertical Wheel Registers.

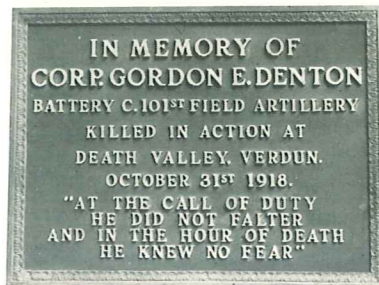
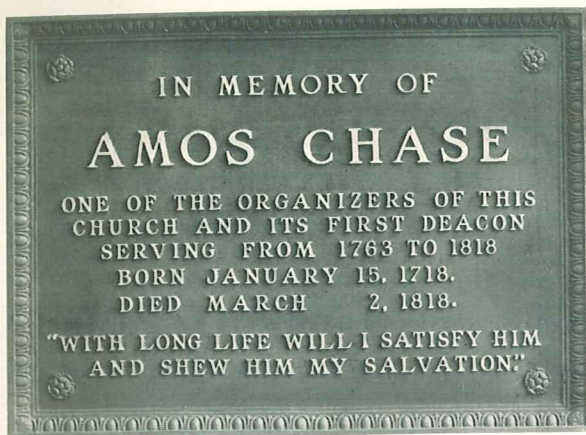
## AIR CAPACITY

For conservative figuring of capacity in square inches for the net air opening of registers, allow two thirds of size, as given in our register list.

The net air openings of our registers vary, however, from 66 $\frac{2}{3}$  per cent to 80 per cent, according to the design used.



## CAST BRONZE MEMORIAL TABLETS



TABLETS AND SIGNS  
IN BRONZE AND  
BRASS  
ALL FINISHES

WE RECOMMEND CAST BRONZE  
AS THE MOST SUITABLE  
MATERIAL FOR FINELY  
FINISHED WORK AND  
FOR DURABILITY

WE ALSO MAKE NAME PLATES  
FOR VARIOUS USES

FURTHER INFORMATION OR  
ESTIMATES WILL BE FURNISHED  
UPON APPLICATION



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